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(54) Titre : ANALOGUES PHOSPHONATES DE COMPOSES INHIBITEURS DU VIH  
(54) Title: NUCLEOSIDE PHOSPHONATE CONJUGATES AS ANTI HIV AGENTS

(57) **Abrégé/Abstract:**

The invention is related to phosphorus substituted anti-viral inhibitory compounds, compositions containing such compounds, and therapeutic methods that include the administration of such compounds, as well as to processes and intermediates useful for preparing such compounds.



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(54) Title: PHOSPHONATE ANALOGS OF HIV INHIBITOR COMPOUNDS

(57) Abstract: The invention is related to phosphorus substituted anti-viral inhibitory compounds, compositions containing such compounds, and therapeutic methods that include the administration of such compounds, as well as to processes and intermediates useful for preparing such compounds.

WO 2006/110157 A2

## DEMANDE OU BREVET VOLUMINEUX

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CECI EST LE TOME           1   DE   2  
CONTENANT LES PAGES    1   À   326

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THIS IS VOLUME           1   OF   2  
CONTAINING PAGES    1   TO   326

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**PHOSPHONATE ANALOGS OF HIV**  
**INHIBITOR COMPOUNDS**

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This non-provisional application claims the benefit of Provisional Application No. 60/591,811, filed July 27, 2004, and all of which are incorporated herein by reference.

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**FIELD OF THE INVENTION**

The invention relates generally to compounds with antiviral activity and more specifically with anti-HIV properties.

**BACKGROUND OF THE INVENTION**

15

AIDS is a major public health problem worldwide. Although drugs targeting HIV viruses are in wide use and have shown effectiveness, toxicity and development of resistant strains have limited their usefulness. Assay methods capable of determining the presence, absence or amounts of HIV viruses are of practical utility in the search for inhibitors as well as for diagnosing the presence of HIV.

20

Human immunodeficiency virus (HIV) infection and related disease is a major public health problem worldwide. The retrovirus human immunodeficiency virus type 1 (HIV-1), a member of the primate lentivirus family (DeClercq E (1994) *Annals of the New York Academy of Sciences*, 724:438-456; Barre-Sinoussi F (1996) *Lancet*, 348:31-35), is generally accepted to be the causative agent of acquired immunodeficiency syndrome (AIDS) Tarrago et al. *FASEB Journal* 1994, 8:497-503).

25

AIDS is the result of repeated replication of HIV-1 and a decrease in immune capacity, most prominently a fall in the number of CD4+ lymphocytes. The mature virus has a single stranded RNA genome that encodes 15 proteins (Frankel et al. (1998) *Annual Review of Biochemistry*, 67:1-25; Katz et al. (1994) *Annual Review of*

...including three key enzymes: (i) protease (Prt) (von der Helm K (1996) *Biological Chemistry*, 377:765-774); (ii) reverse transcriptase (RT) (Hottiger et al. (1996) *Biological Chemistry Hoppe-Seyler*, 377:97-120), an enzyme unique to retroviruses; and (iii) integrase (Asante et al. (1999) *Advances in Virus Research* 52:351-369; Wlodawer A (1999) *Advances in Virus Research* 52:335-350; Esposito et al. (1999) *Advances in Virus Research* 52:319-333). Protease is responsible for processing the viral precursor polyproteins, integrase is responsible for the integration of the double stranded DNA form of the viral genome into host DNA and RT is the key enzyme in the replication of the viral genome. In viral replication, RT acts as both an RNA- and a DNA-dependent DNA polymerase, to convert the single stranded RNA genome into double stranded DNA. Since virally encoded Reverse Transcriptase (RT) mediates specific reactions during the natural reproduction of the virus, inhibition of HIV RT is an important therapeutic target for treatment of HIV infection and related disease.

Sequence analysis of the complete genomes from several infective and non-infective HIV-isolates has shed considerable light on the make-up of the virus and the types of molecules that are essential for its replication and maturation to an infective species. The HIV protease is essential for the processing of the viral gag and gag-pol polypeptides into mature virion proteins. L. Ratner, et al., *Nature*, 313:277-284 (1985); L. H. Pearl and W. R. Taylor, *Nature*, 329:351 (1987). HIV exhibits the same gag/pol/env organization seen in other retroviruses. L. Ratner, et al., above; S. Wain-Hobson, et al., *Cell*, 40:9-17 (1985); R. Sanchez-Pescador, et al., *Science*, 227:484-492 (1985); and M. A. Muesing, et al., *Nature*, 313:450-458 (1985).

Drugs approved in the United States for AIDS therapy include nucleoside inhibitors of RT (Smith et al (1994) *Clinical Investigator*, 17:226-243), protease inhibitors and non-nucleoside RT inhibitors (NNRTI), (Johnson et al (2000) *Advances in Internal Medicine*, 45 (1-40; Porche DJ (1999) *Nursing Clinics of North America*, 34:95-112).

Inhibitors of HIV protease are useful to limit the establishment and progression of infection by therapeutic administration as well as in diagnostic assays for HIV. Protease inhibitor drugs approved by the FDA include:

- saquinavir (Invirase®, Fortovase®, Hoffman-La Roche, EP-00432695 and EP-00432694)

• lopinavir/ritonavir (Kaletra®, Abbott Laboratories)

- indinavir (Crixivan®, Merck & Co.)
- nelfinavir (Viracept®, Pfizer)
- amprenavir (Agenerase®, GlaxoSmithKline, Vertex Pharmaceuticals)
- lopinavir/ritonavir (Kaletra®, Abbott Laboratories)

Experimental protease inhibitor drugs include:

- fosamprenavir (GlaxoSmithKline, Vertex Pharmaceuticals)
- tipranavir (Boehringer Ingelheim)
- atazanavir (Bristol-Myers Squibb).

There is a need for anti-HIV therapeutic agents, i.e. drugs having improved antiviral and pharmacokinetic properties with enhanced activity against development of HIV resistance, improved oral bioavailability, greater potency and extended effective half-life *in vivo*. New HIV antivirals should be active against mutant HIV strains, have distinct resistance profiles, fewer side effects, less complicated dosing schedules, and orally active. In particular, there is a need for a less onerous dosage regimen, such as one pill, once per day. Although drugs targeting HIV RT are in wide use and have shown effectiveness, particularly when employed in combination, toxicity and development of resistant strains have limited their usefulness.

Combination therapy of HIV antivirals has proven to be highly effective in suppressing viral replication to unquantifiable levels for a sustained period of time. Also, combination therapy with RT and other HIV inhibitors have shown synergistic effects in suppressing HIV replication. Unfortunately, many patients currently fail combination therapy due to the development of drug resistance, non-compliance with complicated dosing regimens, pharmacokinetic interactions, toxicity, and lack of potency. Therefore, there is a need for new HIV RT inhibitors that are synergistic in combination with other HIV inhibitors.

Improving the delivery of drugs and other agents to target cells and tissues has been the focus of considerable research for many years. Though many attempts have been made to develop effective methods for importing biologically active molecules into cells, both *in vivo* and *in vitro*, none has proved to be entirely satisfactory. Optimizing the association of the inhibitory drug with its intracellular target, while

minimizing intercellular redistribution of the drug, e.g. to neighboring cells, is often difficult or inefficient.

Most agents currently administered to a patient parenterally are not targeted, resulting in systemic delivery of the agent to cells and tissues of the body where it is unnecessary, and often undesirable. This may result in adverse drug side effects, and often limits the dose of a drug (e.g., cytotoxic agents and other anti-cancer or anti-viral drugs) that can be administered. By comparison, although oral administration of drugs is generally recognized as a convenient and economical method of administration, oral administration can result in either (a) uptake of the drug through the cellular and tissue barriers, e.g. blood/brain, epithelial, cell membrane, resulting in undesirable systemic distribution, or (b) temporary residence of the drug within the gastrointestinal tract. Accordingly, a major goal has been to develop methods for specifically targeting agents to cells and tissues. Benefits of such treatment includes avoiding the general physiological effects of inappropriate delivery of such agents to other cells and tissues, such as uninfected cells. Intracellular targeting may be achieved by methods and compositions which allow accumulation or retention of biologically active agents inside cells.

### SUMMARY OF THE INVENTION

The present invention provides novel compounds with HIV activity, i.e. novel human retroviral RT inhibitors. Therefore, the compounds of the invention may inhibit retroviral RT and thus inhibit the replication of the virus. They are useful for treating human patients infected with a human retrovirus, such as human immunodeficiency virus (strains of HIV-1 or HIV-2) or human T-cell leukemia viruses (HTLV-I or HTLV-II) which results in acquired immunodeficiency syndrome (AIDS) and/or related diseases. The present invention includes novel phosphonate HIV RT inhibitor compounds and phosphonate analogs of known approved and experimental protease inhibitors. The compounds of the invention optionally provide cellular accumulation as set forth below.

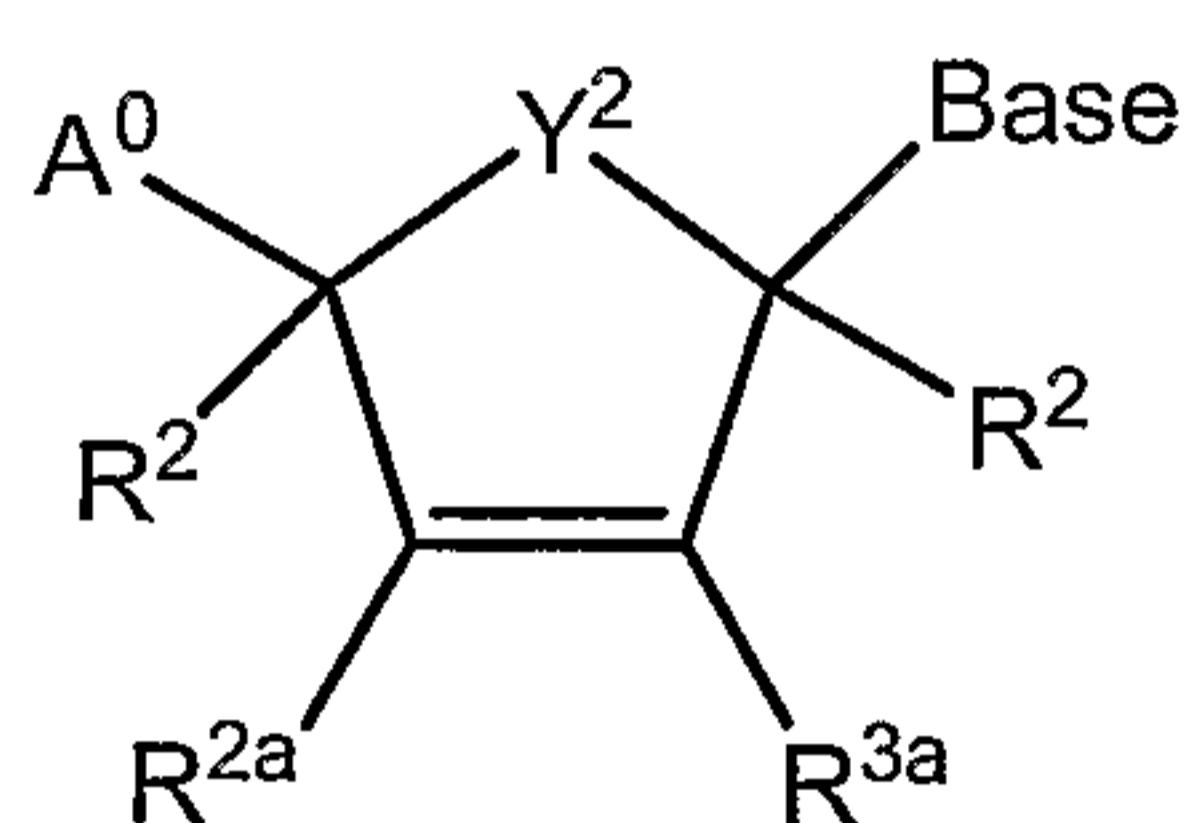
The present invention relates generally to the accumulation or retention of therapeutic compounds inside cells. The invention is more particularly related to attaining high concentrations of phosphonate-containing molecules in HIV infected

... effective targeting may be achieved by methods and compositions which allow accumulation or retention of biologically active agents inside cells. Such effective targeting may be applicable to a variety of therapeutic formulations and procedures.

5 Compositions of the invention include new RT compounds having at least one phosphonate group. The invention includes all known approved and experimental protease inhibitors with at least one phosphonate group.

In one aspect, the invention includes compounds, including enantiomers thereof, of Formula 1A, or a pharmaceutically acceptable salt or solvate thereof,

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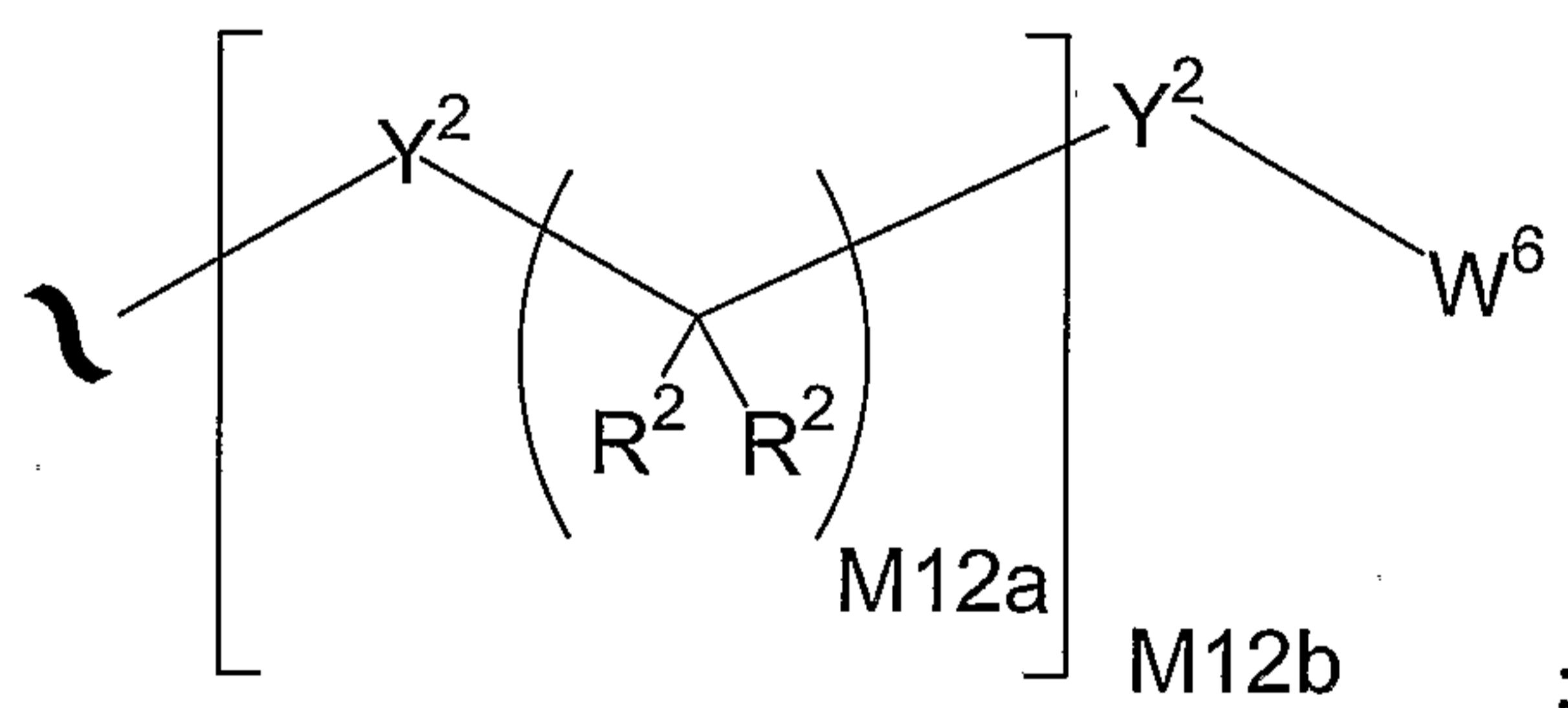


1A

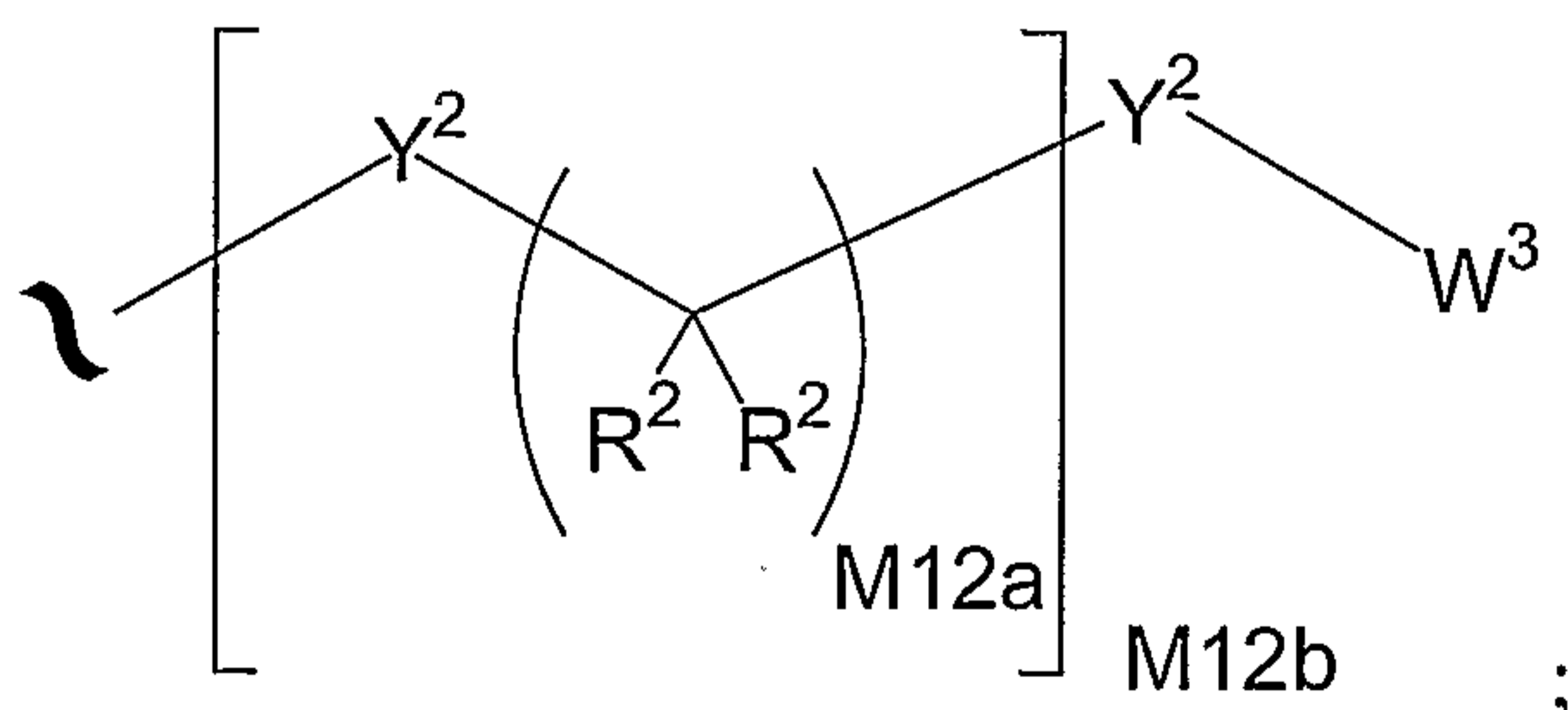
wherein:

15  $A^0$  is  $A^1$ ,  $A^2$ , or  $A^3$ ;

$A^1$  is



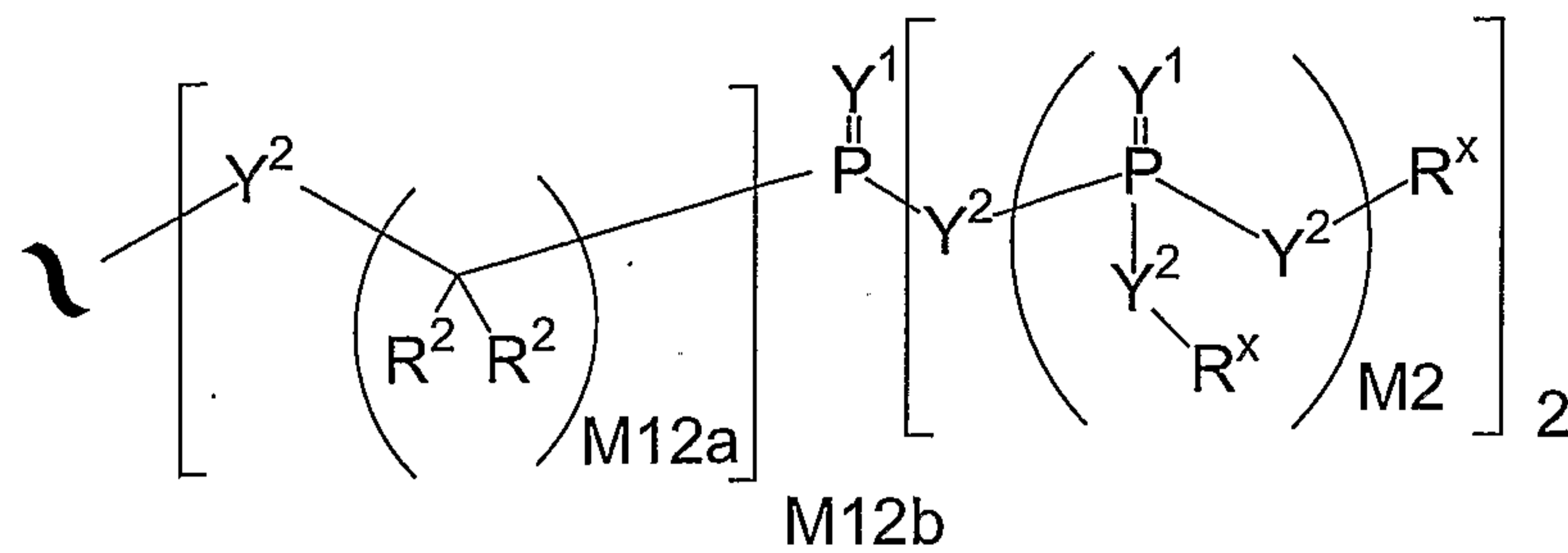
$A^2$  is



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$A^3$  is:



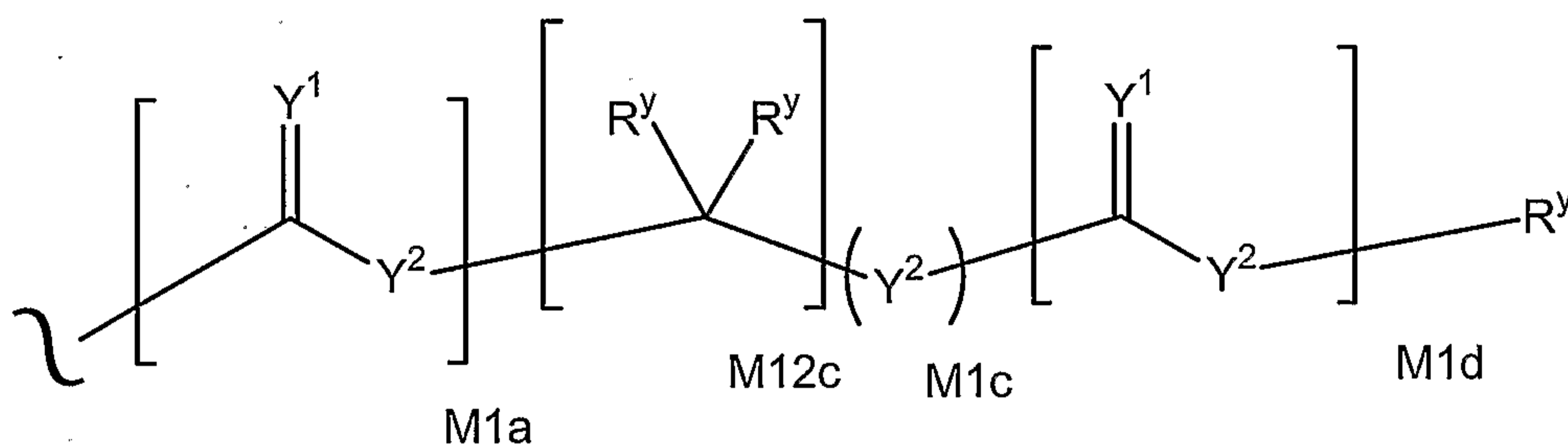


$Y^1$  is independently O, S,  $N(R^x)$ ,  $N(O)(R^x)$ ,  $N(OR^x)$ ,  $N(O)(OR^x)$ , or  $N(N(R^x)(R^x))$ ;

$Y^2$  is independently a bond,  $Y^3$ ,  $N(R^x)$ ,  $N(O)(R^x)$ ,  $N(OR^x)$ ,  $N(O)(OR^x)$ ,  $N(N(R^x)(R^x))$ ,  $-S(O)_{M2}$ , or  $-S(O)_{M2}-S(O)_{M2}$ ;

$Y^3$  is O,  $S(O)_{M2}$ , S, or  $C(R^2)_2$ ;

$R^x$  is independently H,  $R^1$ ,  $R^2$ ,  $W^3$ , a protecting group, or the formula:



wherein:

$R^y$  is independently H,  $W^3$ ,  $R^2$  or a protecting group;

$R^1$  is independently H or alkyl of 1 to 18 carbon atoms;

$R^2$  and  $R^{2a}$  are independently H,  $R^1$ ,  $R^3$ , or  $R^4$  wherein each  $R^4$  is independently substituted with 0 to 3  $R^3$  groups or, when taken together at a carbon atom, two  $R^2$  groups form a ring of 3 to 8 and the ring may be substituted with 0 to 3  $R^3$  groups;

$R^3$  is  $R^{3a}$ ,  $R^{3b}$ ,  $R^{3c}$ ,  $R^{3d}$ , or  $R^{3e}$ , provided that when  $R^3$  is bound to a heteroatom, then  $R^3$  is  $R^{3c}$  or  $R^{3d}$ ;

$R^{3a}$  is  $R^{3e}$ ,  $-CN$ ,  $N_3$  or  $-NO_2$ ;

$R^{3b}$  is  $(=Y^1)$ ;

$R^{3c}$  is  $-R^x$ ,  $-N(R^x)(R^x)$ ,  $-SR^x$ ,  $-S(O)R^x$ ,  $-S(O)_2R^x$ ,  $-S(O)(OR^x)$ ,  $-S(O)_2(OR^x)$ ,  $-OC(Y^1)R^x$ ,  $-OC(Y^1)OR^x$ ,  $-OC(Y^1)(N(R^x)(R^x))$ ,  $-SC(Y^1)R^x$ ,  $-SC(Y^1)OR^x$ ,  $-SC(Y^1)(N(R^x)(R^x))$ ,  $-N(R^x)C(Y^1)R^x$ ,  $-N(R^x)C(Y^1)OR^x$ , or  $-N(R^x)C(Y^1)(N(R^x)(R^x))$ ;

$R^{3d}$  is  $-C(Y^1)R^x$ ,  $-C(Y^1)OR^x$  or  $-C(Y^1)(N(R^x)(R^x))$ ;

$R^{3e}$  is F, Cl, Br or I;

$R^4$  is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

$R^5$  is H or  $R^4$ , wherein each  $R^4$  is substituted with 0 to 3  $R^3$  groups;

5  $W^3$  is  $W^4$  or  $W^5$ ;

$W^4$  is  $R^5$ ,  $-C(Y^1)R^5$ ,  $-C(Y^1)W^5$ ,  $-SO_{M2}R^5$ , or  $-SO_{M2}W^5$ ;

$W^5$  is carbocycle or heterocycle wherein  $W^5$  is independently substituted with 0 to 3  $R^2$  groups;

$W^6$  is  $W^3$  independently substituted with 1, 2, or 3  $A^3$  groups;

10  $M2$  is 0, 1 or 2;

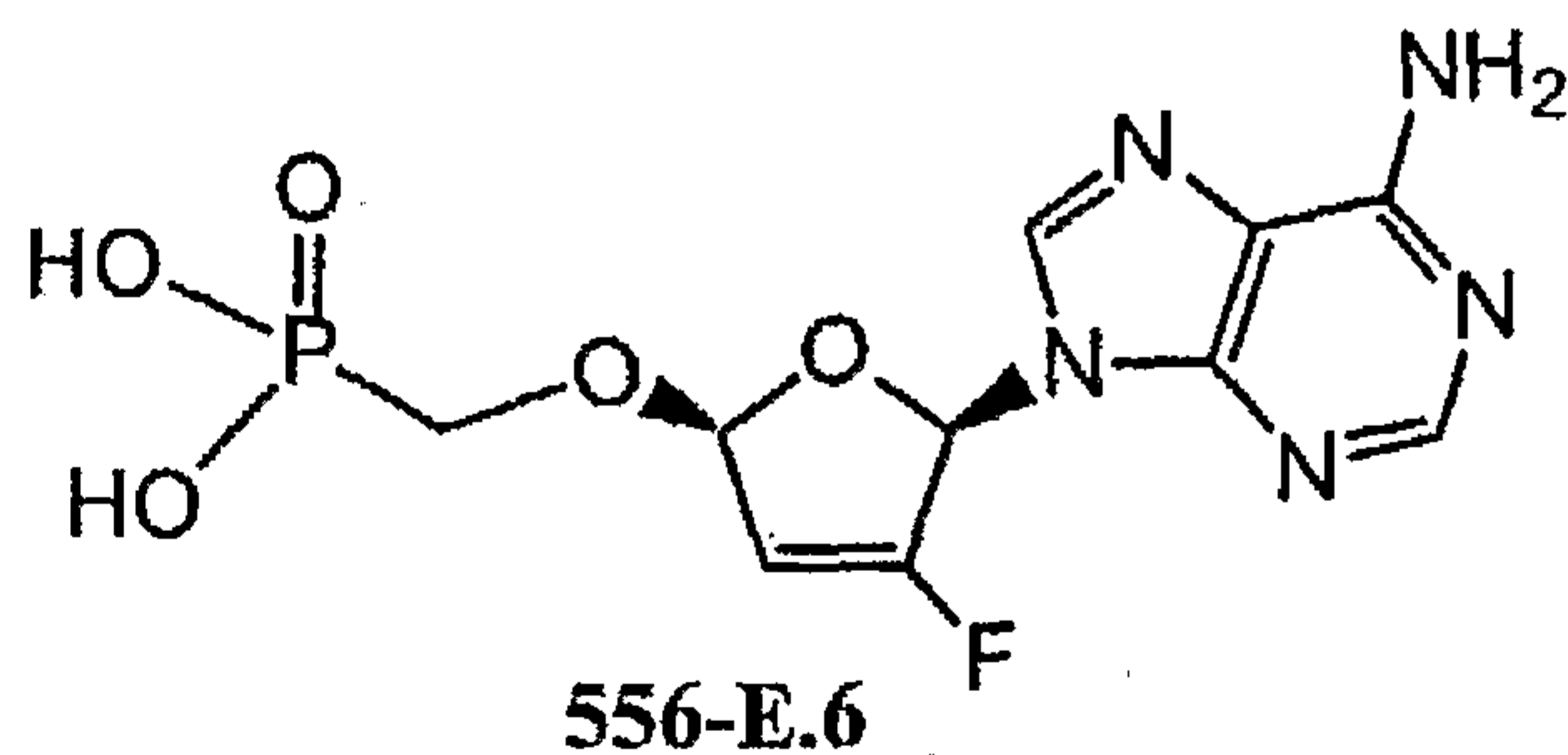
$M12a$  is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M12b$  is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M1a$ ,  $M1c$ , and  $M1d$  are independently 0 or 1; and

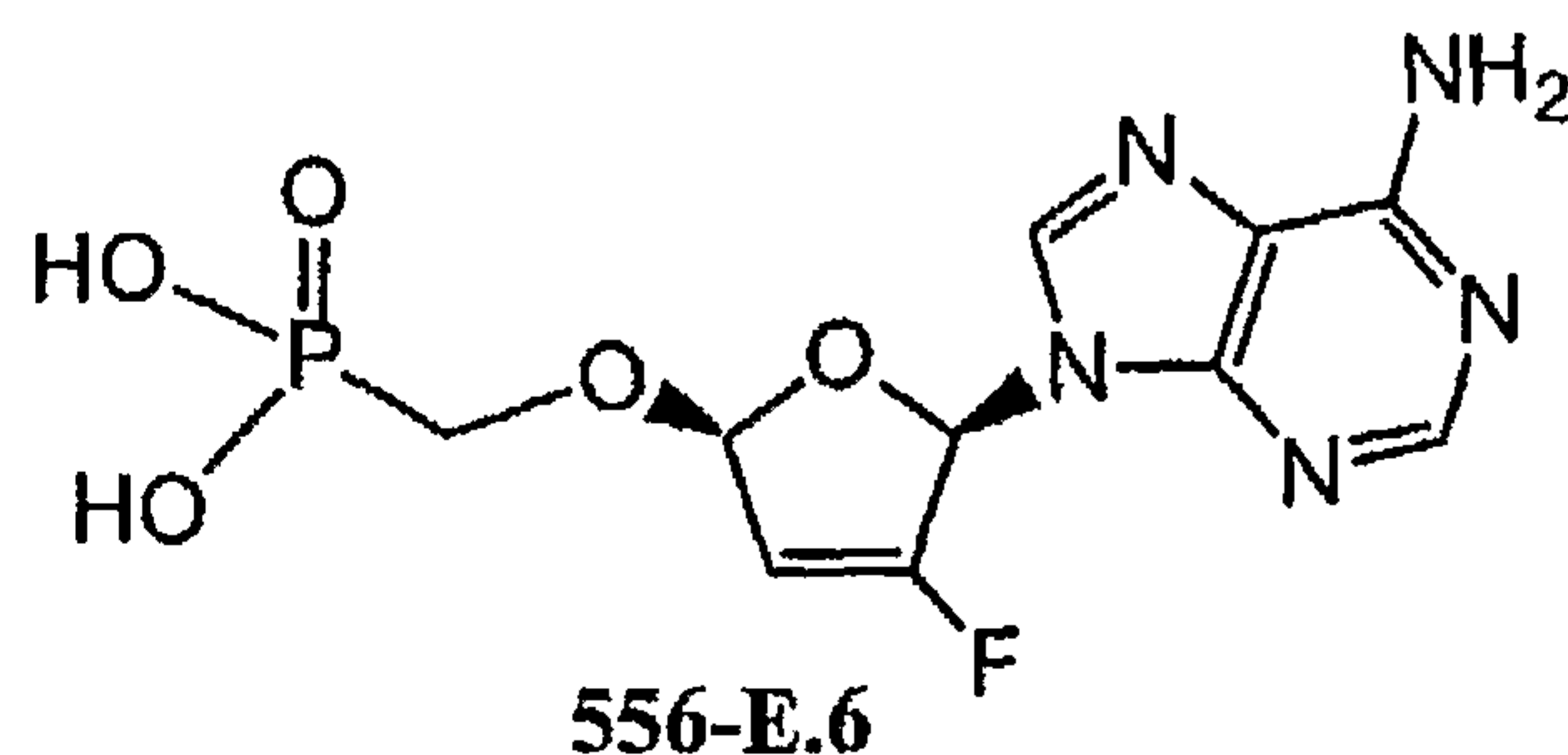
$M12c$  is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

15 provided that the compound of Formula 1A is not of the structure 556-E.6



or its ethyl diester.

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## DETAILED DESCRIPTION OF EXEMPLARY EMBODIMENTS

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 10  
 15  
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RECIPIENTS WILL NOW BE MADE IN DETAIL to certain embodiments of the invention, examples of which are illustrated in the accompanying structures and formulas. While the invention will be described in conjunction with the enumerated embodiments, it will be understood that they are not intended to limit the invention to those embodiments. On the contrary, the invention is intended to cover all alternatives, modifications, and equivalents, which may be included within the scope of the present invention as defined by the embodiments.

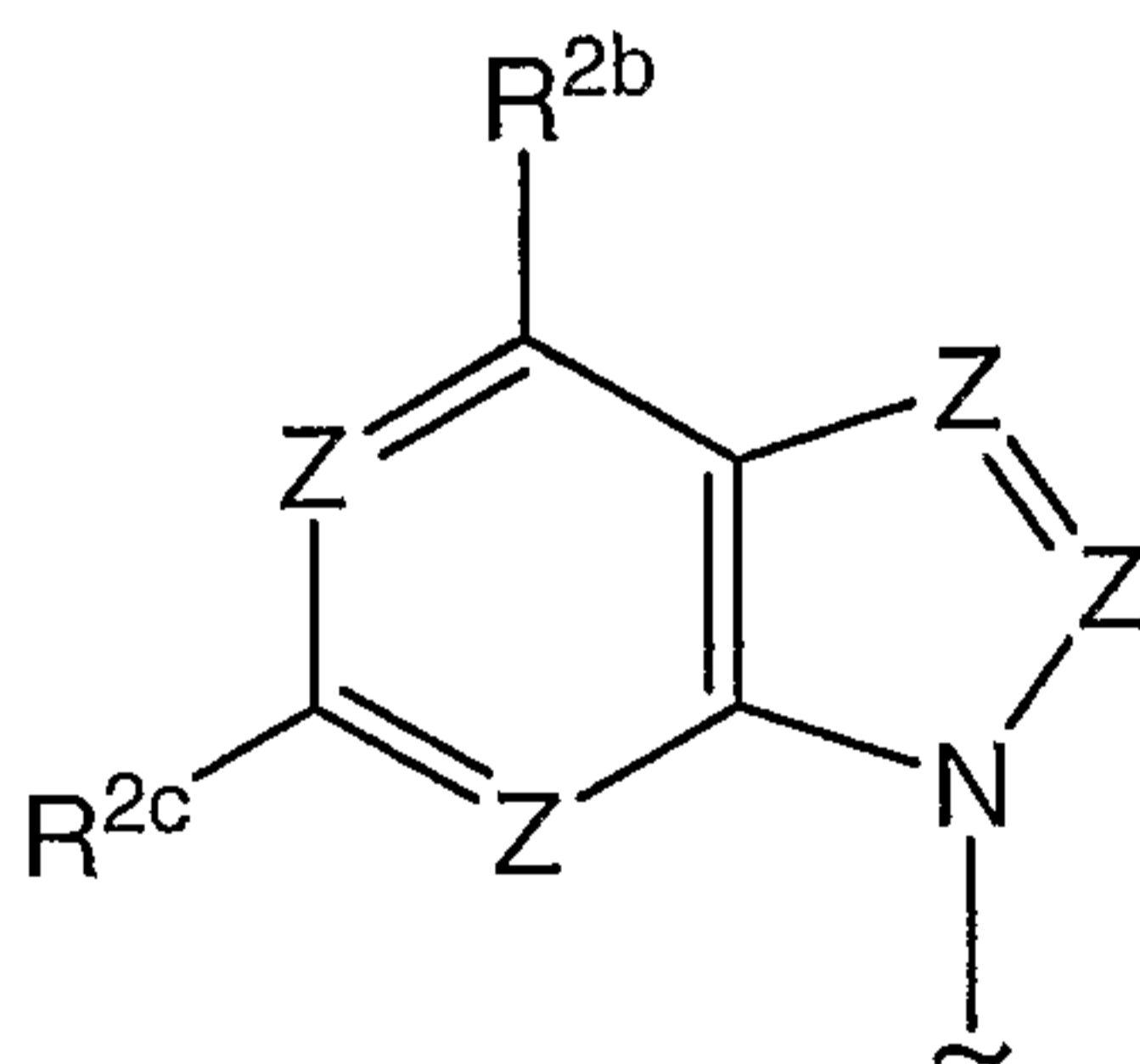
### DEFINITIONS

10 Unless stated otherwise, the following terms and phrases as used herein are intended to have the following meanings:

When tradenames are used herein, applicants intend to independently include the tradename product and the active pharmaceutical ingredient(s) of the tradename product.

15 “Base” is a term of art in the nucleoside and nucleotide fields. It is frequently abbreviated as “B.” Within the context of the present invention, “Base” or “B” mean, without limitation, at least those bases known to the ordinary artisan or taught in the art. Exemplary definitions 1) to 10) below are illustrative. Preferable “Bases” or “Bs” include purines, more preferably purines of 1) to 10) below. More preferably
 20 yet, “Base” or “B” means the purines of 4) to 10) below. Most preferably “Base” or “B” means 10) below.

In embodiments of this invention, Base or B is a group having structure (1) below



25

wherein

$R^{2c}$  is halo,  $NH_2$ ,  $R^{2b}$  or H;

$R^{2c}$  is  $-(R^7)_{m1}(X)_{m4}(R^7)_{m2}(X)_{m5}(R^9)_{m3}(N(R^{2c})_2)_n$ ;

X independently is O or S;

M1 – m3 independently are 0-1;

M4-m5 independently are 0-1

5 n is 0-2;

R<sup>9</sup> independently is unsubstituted C<sub>1</sub>-C<sub>15</sub> alkyl, C<sub>2</sub>-C<sub>15</sub> alkenyl, C<sub>6</sub>-C<sub>15</sub> arylalkenyl, C<sub>6</sub>-C<sub>15</sub> arylalkynyl, C<sub>2</sub>-C<sub>15</sub> alkynyl, C<sub>1</sub>-C<sub>6</sub>-alkylamino-C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>5</sub>-C<sub>15</sub> aralkyl, C<sub>6</sub>-C<sub>15</sub> heteroaralkyl, C<sub>5</sub>-C<sub>6</sub> aryl or C<sub>2</sub>-C<sub>6</sub> heterocycloalkyl, or said groups optionally substituted with 1 to 3 of halo, alkoxy, alkylthio, nitro, OH, =O,  
10 haloalkyl, CN, R<sup>10</sup> or N<sub>3</sub>;

R<sup>10</sup> independently is selected from the group consisting of

H,

C<sub>1</sub>-C<sub>15</sub> alkyl, C<sub>2</sub>-C<sub>15</sub> alkenyl, C<sub>6</sub>-C<sub>15</sub> arylalkenyl, C<sub>6</sub>-C<sub>15</sub> arylalkynyl, C<sub>2</sub>-C<sub>15</sub> alkynyl, C<sub>1</sub>-C<sub>6</sub>-alkylamino-C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>5</sub>-C<sub>15</sub> aralkyl, C<sub>6</sub>-C<sub>15</sub>

15 heteroaralkyl, C<sub>5</sub>-C<sub>6</sub> aryl, -C(O)R<sup>9</sup>, -C(O)OR<sup>9</sup> and C<sub>2</sub>-C<sub>6</sub> heterocycloalkyl,

optionally both R<sup>10</sup> of N(R<sup>10</sup>)<sub>2</sub> are joined together with N to form a saturated or unsaturated C<sub>5</sub>-C<sub>6</sub> heterocycle containing one or two N heteroatoms and optionally an additional O or S heteroatom,

20 and the foregoing R<sup>10</sup> groups which are substituted with 1 to 3 of halo, alkoxy, alkylthio, nitro, OH, =O, haloalkyl, CN or N<sub>3</sub>; and

Z is N or C(R<sup>3</sup>), provided that the heterocyclic nucleus varies from purine by no more than two Z.

25 Alkyl, alkynyl and alkenyl groups in the formula (1) groups are normal, secondary, tertiary or cyclic.

Ordinarily, n is 1, m1 is 0 or 1, R<sup>9</sup> is C<sub>1</sub>-C<sub>3</sub> alkyl, R<sup>2b</sup> is H, m2-m5 are all 0; one or two R<sup>10</sup> groups are not H; R<sup>10</sup> is C<sub>1</sub>-C<sub>6</sub> alkyl (including C<sub>3</sub>-C<sub>6</sub> cycloalkyl, particularly cyclopropyl); and one R<sup>10</sup> is H. If Z is C(R<sup>3</sup>) at the 5 and/or 7 positions,  
30 R<sup>3</sup> is halo, usually fluoro.

The compounds of the invention are noteworthy in their ability to act effectively against HIV which bears resistance mutations in the polymerase gene, in particular, HIV which is resistant to tenofovir, FTC and other established anti-HIV agents.

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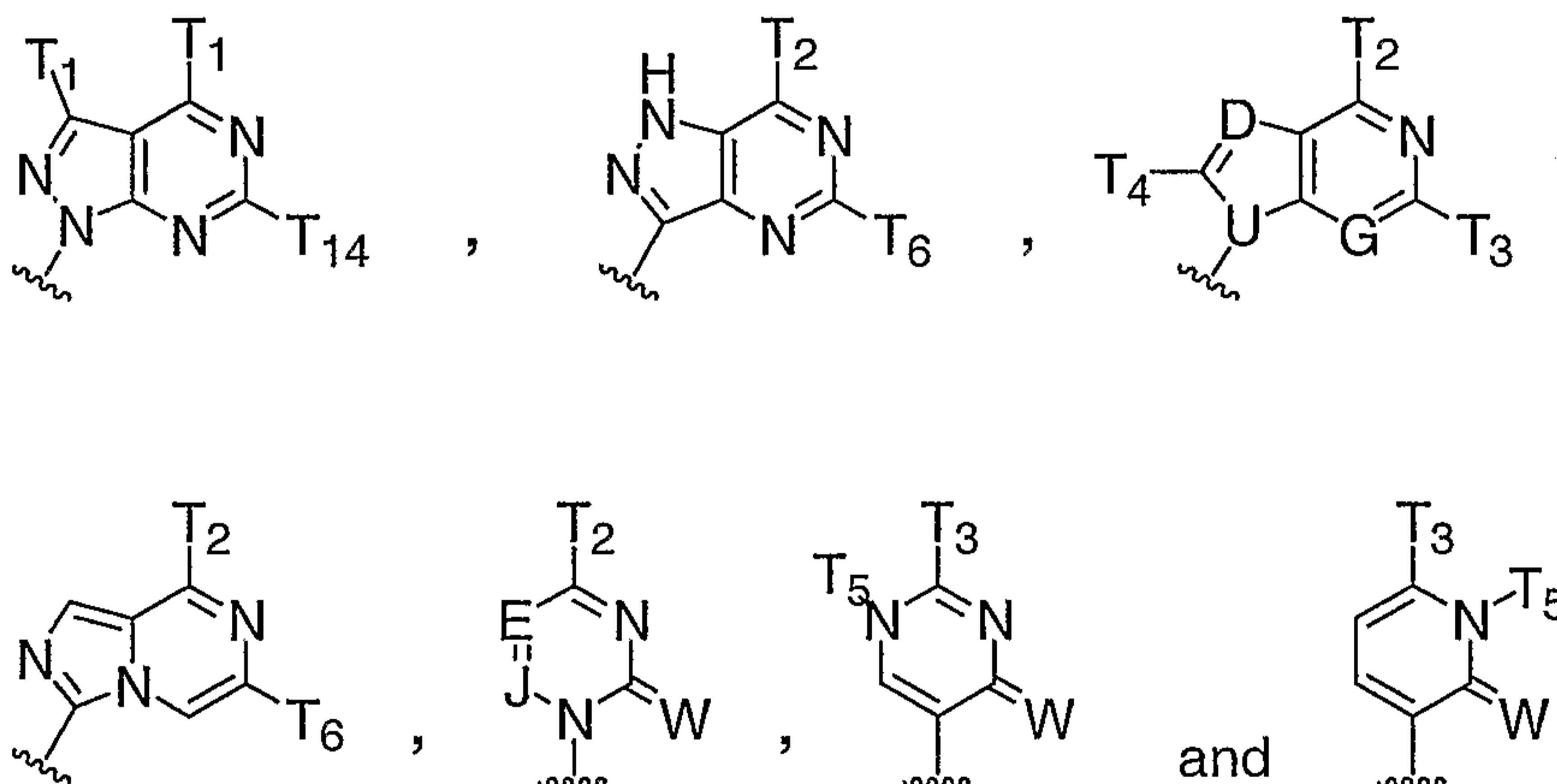
1) B is a heterocyclic amine base.

In the specification "Heterocyclic amine base" is defined as a monocyclic, bicyclic, or polycyclic ring system comprising one or more nitrogens. For example, B includes the naturally-occurring heterocycles found in nucleic acids, nucleotides and nucleosides, and analogs thereof.

10

2) B is selected from the group consisting of

15



20 wherein:

U, G, and J are each independently CH or N;

D is N, CH, C-CN, C-NO<sub>2</sub>, C-C<sub>1-3</sub> alkyl, C-NHCONH<sub>2</sub>, C-CONT<sub>11</sub>T<sub>11</sub>, C-CSNT<sub>11</sub>T<sub>11</sub>, C-COOT<sub>11</sub>, C-C(=NH)NH<sub>2</sub>, C-hydroxy, C-C<sub>1-3</sub> alkoxy, C-amino, C-C<sub>1-4</sub>alkylamino, C-di(C<sub>1-4</sub>alkyl)amino, C-halogen, C-(1,3-oxazol-2-yl), C-(1,3 thiazol-2-yl), or C-(imidazol-2-yl); wherein alkyl is unsubstituted or substituted with

25

one to three groups independently selected from halogen, amino, hydroxy, carboxy, and C<sub>1-3</sub> alkoxy;

E is N or CT<sub>5</sub>;

W is O or S;

5 T<sub>1</sub> is H, C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, C<sub>2-6</sub>alkynyl, C<sub>1-4</sub>alkylamino, CF<sub>3</sub>, or halogen;

T<sub>2</sub> is H, OH, SH, NH<sub>2</sub>, C<sub>1-4</sub>alkylamino, di(C<sub>1-4</sub>alkyl)amino, C<sub>3-6</sub> cycloalkylamino, halo, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkoxy, or CF<sub>3</sub>;

T<sub>3</sub> is H, amino, C<sub>1-4</sub>alkylamino, C<sub>3-6</sub> cycloalkylamino, or di(C<sub>1-4</sub>alkyl)amino;

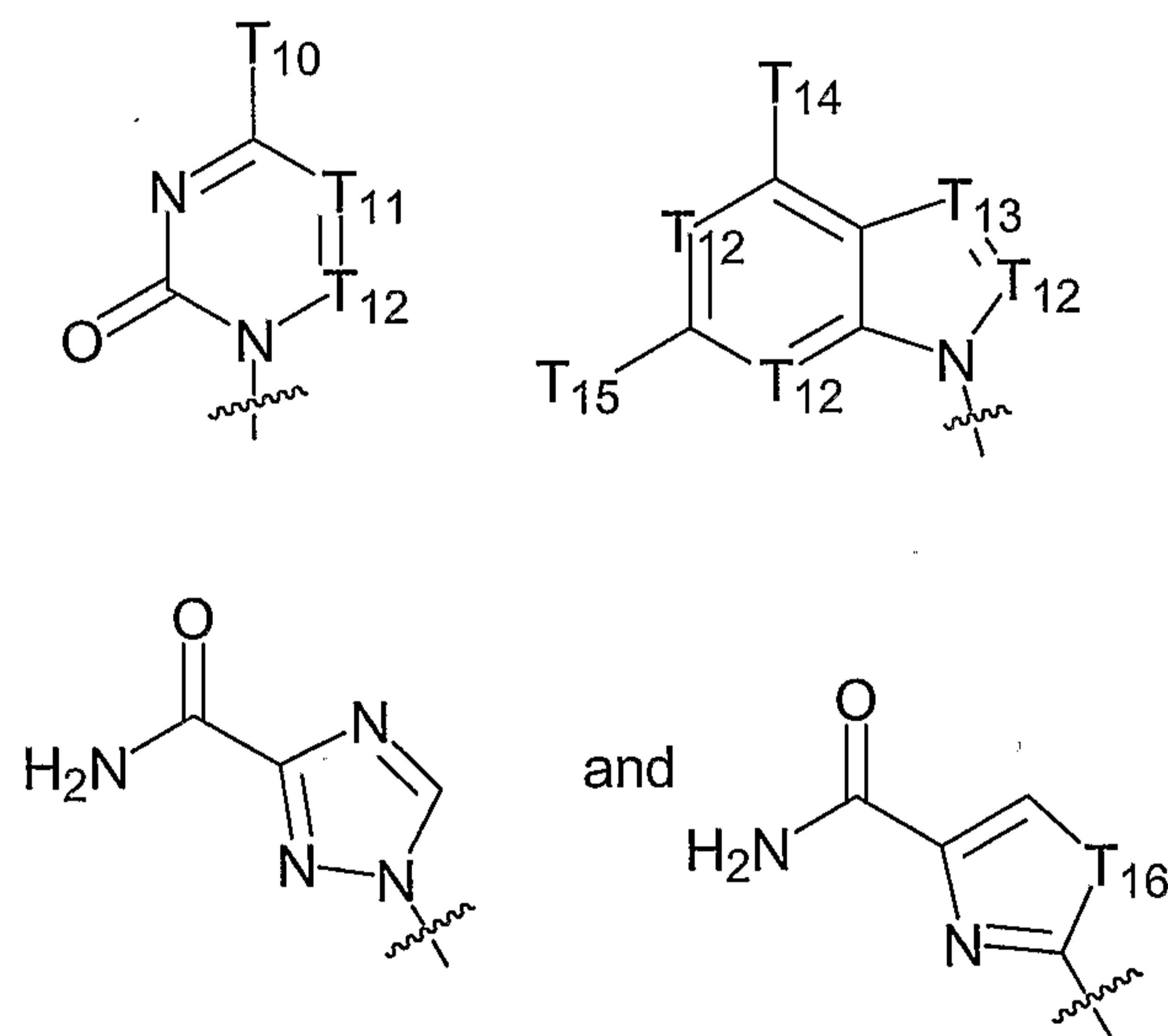
10 T<sub>4</sub> is H, halo, CN, carboxy, C<sub>1-4</sub>alkyloxycarbonyl, N<sub>3</sub>, amino, C<sub>1-4</sub>alkylamino, di(C<sub>1-4</sub>alkyl)amino, hydroxy, C<sub>1-6</sub>alkoxy, C<sub>1-6</sub>alkylthio, C<sub>1-6</sub>alkylsulfonyl, or (C<sub>1-4</sub>alkyl)<sub>0-2</sub>aminomethyl;

T<sub>5</sub> is independently H or C<sub>1-6</sub>alkyl; and

T<sub>6</sub> is H, CF<sub>3</sub>, C<sub>1-4</sub>alkyl, amino, C<sub>1-4</sub>alkylamino, C<sub>3-6</sub>cycloalkylamino, or di(C<sub>1-4</sub>alkyl)amino;

15

3) B is selected from



20 wherein:

T<sub>10</sub> is H, OH, F, Cl, Br, I, OT<sub>17</sub>, SH, ST<sub>17</sub>, NH<sub>2</sub>, or NHT<sub>18</sub> ;

T<sub>11</sub> is N, CF, CCl, CBr, Cl, CT<sub>19</sub>, CST<sub>19</sub>, or COT<sub>19</sub> ;

T<sub>12</sub> is N or CH;

T<sub>13</sub> is N, CH, CCN, CCF<sub>3</sub>, CC≡CH or CC(O)NH<sub>2</sub> ;

T<sub>14</sub> is H, OH, NH<sub>2</sub>, SH, SCH<sub>3</sub>, SCH<sub>2</sub>I<sub>2</sub>CH<sub>3</sub>, SCH<sub>2</sub>C≡CH, SCH<sub>2</sub>CH=CH<sub>2</sub>, SC<sub>3</sub>H<sub>7</sub>, NH(CH<sub>3</sub>), N(CH<sub>3</sub>)<sub>2</sub>, NH(CH<sub>2</sub>CH<sub>3</sub>), N(CH<sub>2</sub>CH<sub>3</sub>)<sub>2</sub>, NH(CH<sub>2</sub>C≡CH), NH(CH<sub>2</sub>CH=CH<sub>2</sub>), NH(C<sub>3</sub>H<sub>7</sub>) or halogen (F, Cl, Br or I);

T<sub>15</sub> is H, OH, F, Cl, Br, I, SCH<sub>3</sub>, SCH<sub>2</sub>CH<sub>3</sub>, SCH<sub>2</sub>C≡CH, SCH<sub>2</sub>CH=CH<sub>2</sub>,  
5 SC<sub>3</sub>H<sub>7</sub>, OT<sub>17</sub>, NH<sub>2</sub>, or NHT<sub>18</sub>; and

T<sub>16</sub> is O, S or Se.

T<sub>17</sub> is C<sub>1-6</sub>alkyl (including CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>C≡CH, CH<sub>2</sub>CH=CH<sub>2</sub>, and C<sub>3</sub>H<sub>7</sub>);

T<sub>18</sub> is C<sub>1-6</sub>alkyl (including CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>C≡CH, CH<sub>2</sub>CH=CH<sub>2</sub>, and  
10 C<sub>3</sub>H<sub>7</sub>);

T<sub>19</sub> is H, C<sub>1-9</sub>alkyl; C<sub>2-9</sub>alkenyl, C<sub>2-9</sub>alkynyl or C<sub>7-9</sub>aryl-alkyl unsubstituted or substituted by OH, O, N, F, Cl, Br or I (including CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH=CH<sub>2</sub>, CH=CHBr, CH<sub>2</sub>CH<sub>2</sub>Cl, CH<sub>2</sub>CH<sub>2</sub>F, CH<sub>2</sub>C≡CH, CH<sub>2</sub>CH=CH<sub>2</sub>, C<sub>3</sub>H<sub>7</sub>, CH<sub>2</sub>OH, CH<sub>2</sub>OCH<sub>3</sub>, CH<sub>2</sub>OC<sub>2</sub>H<sub>5</sub>, CH<sub>2</sub>OC≡CH, CH<sub>2</sub>OCH<sub>2</sub>CH=CH<sub>2</sub>, CH<sub>2</sub>C<sub>3</sub>H<sub>7</sub>, CH<sub>2</sub>CH<sub>2</sub>OH,  
15 CH<sub>2</sub>CH<sub>2</sub>OCH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>OC<sub>2</sub>H<sub>5</sub>, CH<sub>2</sub>CH<sub>2</sub>OC≡CH, CH<sub>2</sub>CH<sub>2</sub>OCH<sub>2</sub>CH=CH<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>OC<sub>3</sub>H<sub>7</sub>;  
CH<sub>2</sub>CH<sub>2</sub>OC<sub>3</sub>H<sub>7</sub>;

4) B is adenine, guanine, cytosine, uracil, thymine, 7-deazaadenine, 7-deazaguanine, 7-deaza-8-azaguanine, 7-deaza-8-azaadenine, inosine, nebularine,  
20 nitropyrrole, nitroindole, 2-aminopurine, 2-amino-6-chloropurine, 2,6-diaminopurine, hypoxanthine, pseudouridine, pseudocytosine, pseudoisocytosine, 5-propynylcytosine, isocytosine, isoguanine, 7-deazaguanine, 2-thiopyrimidine, 6-thioguanine, 4-thiothymine, 4-thiouracil, O<sup>6</sup>-methylguanine, N<sup>6</sup>-methyladenine, O<sup>4</sup>-methylthymine, 5,6-dihydrothymine, 5,6-dihydrouracil, 4-methylindole, or  
25 pyrazolo[3,4-d]pyrimidine;

5) B is  
hypoxanthine,  
inosine,  
30 thymine,  
uracil,  
xanthine,

a 7-deaza-8-aza derivative of 2-aminopurine, 2,6-diaminopurine, 2-amino-6-chloropurine, hypoxanthine, inosine or xanthine;

a 7-deaza-8-aza derivative of adenine, guanine, 2-aminopurine, 2,6-diaminopurine, 2-amino-6-chloropurine, hypoxanthine, inosine or xanthine;

5 a 1-deaza derivative of 2-aminopurine, 2,6-diaminopurine, 2-amino-6-chloropurine, hypoxanthine, inosine or xanthine;

a 7-deaza derivative of 2-aminopurine, 2,6-diaminopurine, 2-amino-6-chloropurine, hypoxanthine, inosine or xanthine;

10 a 3-deaza derivatives of 2-aminopurine, 2,6-diaminopurine, 2-amino-6-chloropurine, hypoxanthine, inosine or xanthine;

6-azacytosine;

5-fluorocytosine;

5-chlorocytosine;

5-iodocytosine;

15 5-bromocytosine;

5-methylcytosine;

5-bromovinyluracil;

5-fluorouracil;

5-chlorouracil;

20 5-iodouracil;

5-bromouracil;

5-trifluoromethyluracil;

5-methoxymethyluracil;

5-ethynyluracil; or

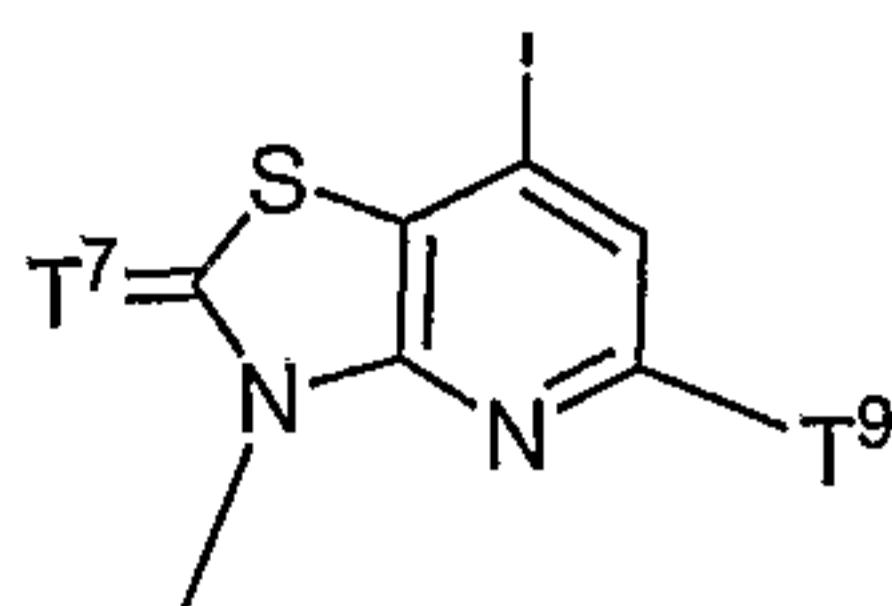
25 5-propynyluracil

6) B is a guanyl, 3-deazaguanyl, 1-deazaguanyl, 8-azaguanyl, 7-deazaguanyl, adenylyl, 3-deazaadenylyl, 1-dezazaadenylyl, 8-azaadenylyl, 7-deazaadenylyl, 2,6-diaminopurinylyl, 2-aminopurinylyl, 6-chloro-2-aminopurinylyl 6-thio-2-aminopurinylyl, cytosinylyl, 5-halocytosinylyl, or 5-(C<sub>1</sub>–C<sub>3</sub>alkyl)cytosinylyl.

30

7) B is





wherein T<sup>7</sup> and T<sup>8</sup> are each independently O or S and T<sup>9</sup> is H, amino, hydroxy, Cl, or Br.

- 5 8) B is thymine, adenine, uracil, a 5-halouracil, a 5-alkyluracil, guanine, cytosine, a 5-halocytosine, a 5-alkylcytosine, or 2,6-diaminopurine.
- 9) B is guanine, cytosine, uracil, or thymine.
- 10 10) B is adenine.

“Bioavailability” is the degree to which the pharmaceutically active agent becomes available to the target tissue after the agent's introduction into the body. Enhancement of the bioavailability of a pharmaceutically active agent can provide a more efficient and effective treatment for patients because, for a given dose, more of the pharmaceutically active agent will be available at the targeted tissue sites.

The terms “phosphonate” and “phosphonate group” include functional groups or moieties within a molecule that comprises a phosphorous that is 1) single-bonded to a carbon, 2) double-bonded to a heteroatom, 3) single-bonded to a heteroatom, and 4) single-bonded to another heteroatom, wherein each heteroatom can be the same or different. The terms “phosphonate” and “phosphonate group” also include functional groups or moieties that comprise a phosphorous in the same oxidation state as the phosphorous described above, as well as functional groups or moieties that comprise a prodrug moiety that can separate from a compound so that the compound retains a phosphorous having the characteristics described above. For example, the terms “phosphonate” and “phosphonate group” include phosphonic acid, phosphonic monoester, phosphonic diester, phosphonamidate, and phosphonthioate functional groups. In one specific embodiment of the invention, the terms “phosphonate” and “phosphonate group” include functional groups or moieties within a molecule that comprises a phosphorous that is 1) single-bonded to a carbon, 2) double-bonded to an

oxygen, 2) single-bonded to an oxygen, and 4) single-bonded to another oxygen, as well as functional groups or moieties that comprise a prodrug moiety that can separate from a compound so that the compound retains a phosphorous having such characteristics. In another specific embodiment of the invention, the terms  
5 “phosphonate” and “phosphonate group” include functional groups or moieties within a molecule that comprises a phosphorous that is 1) single-bonded to a carbon, 2) double-bonded to an oxygen, 3) single-bonded to an oxygen or nitrogen, and 4) single-bonded to another oxygen or nitrogen, as well as functional groups or moieties that comprise a prodrug moiety that can separate from a compound so that the  
10 compound retains a phosphorous having such characteristics.

The term “prodrug” as used herein refers to any compound that when administered to a biological system generates the drug substance, *i.e.* active ingredient, as a result of spontaneous chemical reaction(s), enzyme catalyzed chemical reaction(s), photolysis, and/or metabolic chemical reaction(s). A prodrug is  
15 thus a covalently modified analog or latent form of a therapeutically-active compound.

“Prodrug moiety” refers to a labile functional group which separates from the active inhibitory compound during metabolism, systemically, inside a cell, by hydrolysis, enzymatic cleavage, or by some other process (Bundgaard, Hans, “Design and Application of Prodrugs” in A Textbook of Drug Design and Development (1991),  
20 P. Krogsgaard-Larsen and H. Bundgaard, Eds. Harwood Academic Publishers, pp. 113-191). Enzymes which are capable of an enzymatic activation mechanism with the phosphonate prodrug compounds of the invention include, but are not limited to, amidases, esterases, microbial enzymes, phospholipases, cholinesterases, and phosphases. Prodrug moieties can serve to enhance solubility, absorption and  
25 lipophilicity to optimize drug delivery, bioavailability and efficacy. A prodrug moiety may include an active metabolite or drug itself.

Exemplary prodrug moieties include the hydrolytically sensitive or labile acyloxymethyl esters  $-\text{CH}_2\text{OC}(=\text{O})\text{R}^9$  and acyloxymethyl carbonates  $-\text{CH}_2\text{OC}(=\text{O})\text{OR}^9$  where  $\text{R}^9$  is  $\text{C}_1-\text{C}_6$  alkyl,  $\text{C}_1-\text{C}_6$  substituted alkyl,  $\text{C}_6-\text{C}_{20}$  aryl or  
30  $\text{C}_6-\text{C}_{20}$  substituted aryl. The acyloxyalkyl ester was first used as a prodrug strategy for carboxylic acids and then applied to phosphates and phosphonates by Farquhar et al. (1983) *J. Pharm. Sci.* 72: 324; also US Patent Nos. 4816570, 4968788, 5663159

and 5172150. Subsequently, the acyloxyalkyl ester was used to deliver phosphonic acids across cell membranes and to enhance oral bioavailability. A close variant of the acyloxyalkyl ester, the alkoxycarbonyloxyalkyl ester (carbonate), may also enhance oral bioavailability as a prodrug moiety in the compounds of the combinations of the invention. An exemplary acyloxymethyl ester is pivaloyloxymethoxy, (POM)  $-\text{CH}_2\text{OC}(=\text{O})\text{C}(\text{CH}_3)_3$ . An exemplary acyloxymethyl carbonate prodrug moiety is pivaloyloxymethylcarbonate (POC)  $-\text{CH}_2\text{OC}(=\text{O})\text{OC}(\text{CH}_3)_3$ .

The phosphonate group may be a phosphonate prodrug moiety. The prodrug moiety may be sensitive to hydrolysis, such as, but not limited to a pivaloyloxymethyl carbonate (POC) or POM group. Alternatively, the prodrug moiety may be sensitive to enzymatic potentiated cleavage, such as a lactate ester or a phosphoramidate-ester group.

Aryl esters of phosphorus groups, especially phenyl esters, are reported to enhance oral bioavailability (De Lombaert et al. (1994) *J. Med. Chem.* 37: 498). Phenyl esters containing a carboxylic ester ortho to the phosphate have also been described (Khamnei and Torrence, (1996) *J. Med. Chem.* 39:4109-4115). Benzyl esters are reported to generate the parent phosphonic acid. In some cases, substituents at the *ortho*- or *para*-position may accelerate the hydrolysis. Benzyl analogs with an acylated phenol or an alkylated phenol may generate the phenolic compound through the action of enzymes, *e.g.*, esterases, oxidases, etc., which in turn undergoes cleavage at the benzylic C–O bond to generate the phosphoric acid and the quinone methide intermediate. Examples of this class of prodrugs are described by Mitchell et al. (1992) *J. Chem. Soc. Perkin Trans. II* 2345; Glazier WO 91/19721. Still other benzylic prodrugs have been described containing a carboxylic ester-containing group attached to the benzylic methylene (Glazier WO 91/19721). Thio-containing prodrugs are reported to be useful for the intracellular delivery of phosphonate drugs. These proesters contain an ethylthio group in which the thiol group is either esterified with an acyl group or combined with another thiol group to form a disulfide. Deesterification or reduction of the disulfide generates the free thio intermediate which subsequently breaks down to the phosphoric acid and episulfide (Puech et al. (1993) *Antiviral Res.*, 22: 155-174; Benzaria et al. (1996) *J. Med. Chem.* 39: 4958).

Cyclic phosphonate esters have also been described as prodrugs of phosphorus-containing compounds (Erion et al., US Patent No. 6,312,662).

“Protecting group” refers to a moiety of a compound that masks or alters the properties of a functional group or the properties of the compound as a whole.

5 Chemical protecting groups and strategies for protection/deprotection are well known in the art. *See e.g.*, Protective Groups in Organic Chemistry, Theodora W. Greene, John Wiley & Sons, Inc., New York, 1991. Protecting groups are often utilized to mask the reactivity of certain functional groups, to assist in the efficiency of desired chemical reactions, *e.g.*, making and breaking chemical bonds in an ordered and  
10 planned fashion. Protection of functional groups of a compound alters other physical properties besides the reactivity of the protected functional group, such as the polarity, lipophilicity (hydrophobicity), and other properties which can be measured by common analytical tools. Chemically protected intermediates may themselves be biologically active or inactive.

15 Protected compounds may also exhibit altered, and in some cases, optimized properties *in vitro* and *in vivo*, such as passage through cellular membranes and resistance to enzymatic degradation or sequestration. In this role, protected compounds with intended therapeutic effects may be referred to as prodrugs. Another function of a protecting group is to convert the parental drug into a prodrug, whereby  
20 the parental drug is released upon conversion of the prodrug *in vivo*. Because active prodrugs may be absorbed more effectively than the parental drug, prodrugs may possess greater potency *in vivo* than the parental drug. Protecting groups are removed either *in vitro*, in the instance of chemical intermediates, or *in vivo*, in the case of prodrugs. With chemical intermediates, it is not particularly important that the  
25 resulting products after deprotection, *e.g.*, alcohols, be physiologically acceptable, although in general it is more desirable if the products are pharmacologically innocuous.

Any reference to any of the compounds of the invention also includes a reference to a physiologically acceptable salt thereof. Examples of physiologically  
30 acceptable salts of the compounds of the invention include salts derived from an appropriate base, such as an alkali metal (for example, sodium), an alkaline earth (for example, magnesium), ammonium and  $NX_4^+$  (wherein X is  $C_1-C_4$  alkyl). Physiologically acceptable salts of an hydrogen atom or an amino group include salts

of organic carboxylic acids such as acetic, benzoic, lactic, fumaric, tartaric, maleic, malonic, malic, isethionic, lactobionic and succinic acids; organic sulfonic acids, such as methanesulfonic, ethanesulfonic, benzenesulfonic and *p*-toluenesulfonic acids; and inorganic acids, such as hydrochloric, sulfuric, phosphoric and sulfamic acids.

- 5 Physiologically acceptable salts of a compound of an hydroxy group include the anion of said compound in combination with a suitable cation such as  $\text{Na}^+$  and  $\text{NX}_4^+$  (wherein X is independently selected from H or a  $\text{C}_1$ - $\text{C}_4$  alkyl group).

For therapeutic use, salts of active ingredients of the compounds of the invention will be physiologically acceptable, *i.e.* they will be salts derived from a  
 10 physiologically acceptable acid or base. However, salts of acids or bases which are not physiologically acceptable may also find use, for example, in the preparation or purification of a physiologically acceptable compound. All salts, whether or not derived from a physiologically acceptable acid or base, are within the scope of the present invention.

15 “Alkyl” is  $\text{C}_1$ - $\text{C}_{18}$  hydrocarbon containing normal, secondary, tertiary or cyclic carbon atoms. Examples are methyl (Me,  $-\text{CH}_3$ ), ethyl (Et,  $-\text{CH}_2\text{CH}_3$ ), 1-propyl ( $\underline{n}$ -Pr,  $\underline{n}$ -propyl,  $-\text{CH}_2\text{CH}_2\text{CH}_3$ ), 2-propyl ( $\underline{i}$ -Pr,  $\underline{i}$ -propyl,  $-\text{CH}(\text{CH}_3)_2$ ), 1-butyl ( $\underline{n}$ -Bu,  $\underline{n}$ -butyl,  $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ ), 2-methyl-1-propyl ( $\underline{i}$ -Bu,  $\underline{i}$ -butyl,  $-\text{CH}_2\text{CH}(\text{CH}_3)_2$ ), 2-butyl ( $\underline{s}$ -Bu,  $\underline{s}$ -butyl,  $-\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$ ), 2-methyl-2-propyl ( $\underline{t}$ -  
 20 Bu,  $\underline{t}$ -butyl,  $-\text{C}(\text{CH}_3)_3$ ), 1-pentyl ( $\underline{n}$ -pentyl,  $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ ), 2-pentyl ( $-\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CH}_3$ ), 3-pentyl ( $-\text{CH}(\text{CH}_2\text{CH}_3)_2$ ), 2-methyl-2-butyl ( $-\text{C}(\text{CH}_3)_2\text{CH}_2\text{CH}_3$ ), 3-methyl-2-butyl ( $-\text{CH}(\text{CH}_3)\text{CH}(\text{CH}_3)_2$ ), 3-methyl-1-butyl ( $-\text{CH}_2\text{CH}_2\text{CH}(\text{CH}_3)_2$ ), 2-methyl-1-butyl ( $-\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$ ), 1-hexyl ( $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ ), 2-hexyl ( $-\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ ), 3-hexyl ( $-\text{CH}(\text{CH}_2\text{CH}_3)(\text{CH}_2\text{CH}_2\text{CH}_3)$ ), 2-methyl-2-pentyl ( $-\text{C}(\text{CH}_3)_2\text{CH}_2\text{CH}_2\text{CH}_3$ ), 3-methyl-2-pentyl ( $-\text{CH}(\text{CH}_3)\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$ ), 4-methyl-2-pentyl ( $-\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}(\text{CH}_3)_2$ ), 3-methyl-3-pentyl ( $-\text{C}(\text{CH}_3)(\text{CH}_2\text{CH}_3)_2$ ), 2-methyl-3-pentyl ( $-\text{CH}(\text{CH}_2\text{CH}_3)\text{CH}(\text{CH}_3)_2$ ), 2,3-dimethyl-2-butyl ( $-\text{C}(\text{CH}_3)_2\text{CH}(\text{CH}_3)_2$ ), 3,3-dimethyl-2-butyl ( $-\text{CH}(\text{CH}_3)\text{C}(\text{CH}_3)_3$ ).

30 “Alkenyl” is  $\text{C}_2$ - $\text{C}_{18}$  hydrocarbon containing normal, secondary, tertiary or cyclic carbon atoms with at least one site of unsaturation, *i.e.* a carbon-carbon,  $sp^2$

double bond. Examples include, but are not limited to, ethylene or vinyl ( $-\text{CH}=\text{CH}_2$ ), allyl ( $-\text{CH}_2\text{CH}=\text{CH}_2$ ), cyclopentenyl ( $-\text{C}_5\text{H}_7$ ), and 5-hexenyl ( $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}=\text{CH}_2$ ).

“Alkynyl” is  $\text{C}_2$ - $\text{C}_{18}$  hydrocarbon containing normal, secondary, tertiary or cyclic carbon atoms with at least one site of unsaturation, *i.e.* a carbon-carbon, *sp* triple bond. Examples include, but are not limited to, acetylenic ( $-\text{C}\equiv\text{CH}$ ) and propargyl ( $-\text{CH}_2\text{C}\equiv\text{CH}$ ),

“Alkylene” refers to a saturated, branched or straight chain or cyclic hydrocarbon radical of 1-18 carbon atoms, and having two monovalent radical centers derived by the removal of two hydrogen atoms from the same or two different carbon atoms of a parent alkane. Typical alkylene radicals include, but are not limited to, methylene ( $-\text{CH}_2-$ ), 1,2-ethyl ( $-\text{CH}_2\text{CH}_2-$ ), 1,3-propyl ( $-\text{CH}_2\text{CH}_2\text{CH}_2-$ ), 1,4-butyl ( $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2-$ ), and the like.

“Alkenylene” refers to an unsaturated, branched or straight chain or cyclic hydrocarbon radical of 2-18 carbon atoms, and having two monovalent radical centers derived by the removal of two hydrogen atoms from the same or two different carbon atoms of a parent alkene. Typical alkenylene radicals include, but are not limited to, 1,2-ethylene ( $-\text{CH}=\text{CH}-$ ).

“Alkynylene” refers to an unsaturated, branched or straight chain or cyclic hydrocarbon radical of 2-18 carbon atoms, and having two monovalent radical centers derived by the removal of two hydrogen atoms from the same or two different carbon atoms of a parent alkyne. Typical alkynylene radicals include, but are not limited to, acetylene ( $-\text{C}\equiv\text{C}-$ ), propargyl ( $-\text{CH}_2\text{C}\equiv\text{C}-$ ), and 4-pentynyl ( $-\text{CH}_2\text{CH}_2\text{CH}_2\text{C}\equiv\text{CH}-$ ).

“Aryl” means a monovalent aromatic hydrocarbon radical of 6-20 carbon atoms derived by the removal of one hydrogen atom from a single carbon atom of a parent aromatic ring system. Typical aryl groups include, but are not limited to, radicals derived from benzene, substituted benzene, naphthalene, anthracene, biphenyl, and the like.

“Arylalkyl” refers to an acyclic alkyl radical in which one of the hydrogen atoms bonded to a carbon atom, typically a terminal or  $\text{sp}^3$  carbon atom, is replaced with an aryl radical. Typical arylalkyl groups include, but are not limited to, benzyl, 2-phenylethan-1-yl, naphthylmethyl, 2-naphthylethan-1-yl, naphthobenzyl, 2-naphthophenylethan-1-yl and the like. The arylalkyl group comprises 6 to 20 carbon

atoms, e.g., the alkyl moiety, including alkanyl, alkenyl or alkynyl groups, of the arylalkyl group is 1 to 6 carbon atoms and the aryl moiety is 5 to 14 carbon atoms.

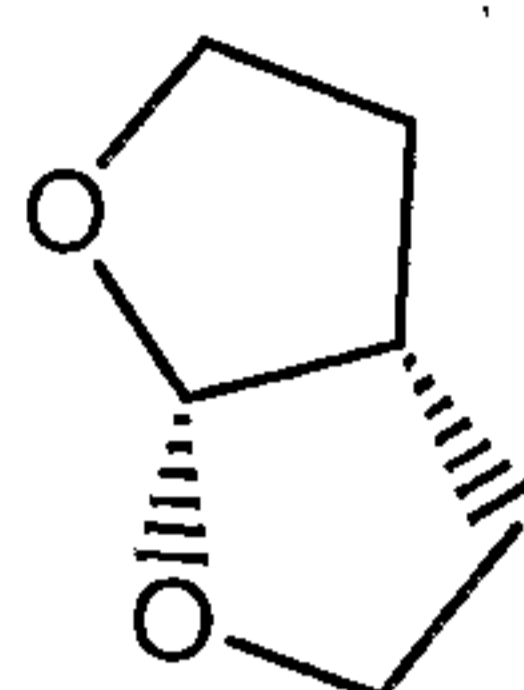
“Substituted alkyl”, “substituted aryl”, and “substituted arylalkyl” mean alkyl, aryl, and arylalkyl respectively, in which one or more hydrogen atoms are each  
 5 independently replaced with a non-hydrogen substituent. Typical substituents include, but are not limited to, -X, -R, -O<sup>-</sup>, -OR, -SR, -S<sup>-</sup>, -NR<sub>2</sub>, -NR<sub>3</sub>, =NR, -CX<sub>3</sub>, -CN, -OCN, -SCN, -N=C=O, -NCS, -NO, -NO<sub>2</sub>, =N<sub>2</sub>, -N<sub>3</sub>, NC(=O)R, -C(=O)R, -C(=O)NRR, -S(=O)<sub>2</sub>O<sup>-</sup>, -S(=O)<sub>2</sub>OH, -S(=O)<sub>2</sub>R, -OS(=O)<sub>2</sub>OR, -S(=O)<sub>2</sub>NR, -S(=O)R, -OP(=O)O<sub>2</sub>RR, -P(=O)O<sub>2</sub>RR, -P(=O)(O<sup>-</sup>)<sub>2</sub>, -P(=O)(OH)<sub>2</sub>, -C(=O)R, -C(=O)X, -C(S)R,  
 10 -C(O)OR, -C(O)O<sup>-</sup>, -C(S)OR, -C(O)SR, -C(S)SR, -C(O)NRR, -C(S)NRR, -C(NR)NRR, where each X is independently a halogen: F, Cl, Br, or I; and each R is independently -H, alkyl, aryl, heterocycle, protecting group or prodrug moiety.

Alkylene, alkenylene, and alkynylene groups may also be similarly substituted.

“Heterocycle” as used herein includes by way of example and not limitation  
 15 these heterocycles described in Paquette, Leo A.; Principles of Modern Heterocyclic Chemistry (W.A. Benjamin, New York, 1968), particularly Chapters 1, 3, 4, 6, 7, and 9; The Chemistry of Heterocyclic Compounds, A Series of Monographs (John Wiley & Sons, New York, 1950 to present), in particular Volumes 13, 14, 16, 19, and 28; and *J. Am. Chem. Soc.* (1960) 82:5566. In one specific embodiment of the invention  
 20 “heterocycle” includes a “carbocycle” as defined herein, wherein one or more (e.g. 1, 2, 3, or 4) carbon atoms have been replaced with a heteroatom (e.g. O, N, or S).

Examples of heterocycles include by way of example and not limitation pyridyl, dihydropyridyl, tetrahydropyridyl (piperidyl), thiazolyl, tetrahydrothiophenyl, sulfur oxidized tetrahydrothiophenyl, pyrimidinyl, furanyl,  
 25 thienyl, pyrrolyl, pyrazolyl, imidazolyl, tetrazolyl, benzofuranyl, thianaphthalenyl, indolyl, indolenyl, quinolinyl, isoquinolinyl, benzimidazolyl, piperidinyl, 4-piperidonyl, pyrrolidinyl, 2-pyrrolidonyl, pyrrolinyl, tetrahydrofuranlyl, tetrahydroquinolinyl, tetrahydroisoquinolinyl, decahydroquinolinyl, octahydroisoquinolinyl, azocinyl, triazinyl, 6H-1,2,5-thiadiazinyl, 2H,6H-1,5,2-  
 30 dithiazinyl, thienyl, thianthrenyl, pyranlyl, isobenzofuranlyl, chromenyl, xanthenyl, phenoxathinyl, 2H-pyrrolyl, isothiazolyl, isoxazolyl, pyrazinyl, pyridazinyl, indolizinyl, isoindolyl, 3H-indolyl, 1H-indazolyl, purinyl, 4H-quinolizinyl, phthalazinyl, naphthyridinyl, quinoxalinyl, quinazolinylyl, cinnolinyl, pteridinyl, 4aH-

carbazolyl, carbazolyl, p-carbolyl, phenanthridinyl, acridinyl, pyrimidinyl,  
 phenanthrolinyl, phenazinyl, phenothiazinyl, furazanyl, phenoxazinyl, isochromanlyl,  
 chromanlyl, imidazolidinyl, imidazoliny, pyrazolidinyl, pyrazolinyl, piperazinyl,  
 indolinyl, isoindolinyl, quinuclidinyl, morpholinyl, oxazolidinyl, benzotriazolyl,  
 5 benzisoxazolyl, oxindolyl, benzoxazoliny, isatinoyl, and bis-tetrahydrofuranyl:



By way of example and not limitation, carbon bonded heterocycles are bonded  
 at position 2, 3, 4, 5, or 6 of a pyridine, position 3, 4, 5, or 6 of a pyridazine, position  
 2, 4, 5, or 6 of a pyrimidine, position 2, 3, 5, or 6 of a pyrazine, position 2, 3, 4, or 5  
 10 of a furan, tetrahydrofuran, thiofuran, thiophene, pyrrole or tetrahydropyrrole,  
 position 2, 4, or 5 of an oxazole, imidazole or thiazole, position 3, 4, or 5 of an  
 isoxazole, pyrazole, or isothiazole, position 2 or 3 of an aziridine, position 2, 3, or 4 of  
 an azetidene, position 2, 3, 4, 5, 6, 7, or 8 of a quinoline or position 1, 3, 4, 5, 6, 7, or 8  
 of an isoquinoline. Still more typically, carbon bonded heterocycles include 2-  
 15 pyridyl, 3-pyridyl, 4-pyridyl, 5-pyridyl, 6-pyridyl, 3-pyridazinyl, 4-pyridazinyl, 5-  
 pyridazinyl, 6-pyridazinyl, 2-pyrimidinyl, 4-pyrimidinyl, 5-pyrimidinyl, 6-  
 pyrimidinyl, 2-pyrazinyl, 3-pyrazinyl, 5-pyrazinyl, 6-pyrazinyl, 2-thiazolyl, 4-  
 thiazolyl, or 5-thiazolyl.

By way of example and not limitation, nitrogen bonded heterocycles are  
 20 bonded at position 1 of an aziridine, azetidene, pyrrole, pyrrolidine, 2-pyrroline, 3-  
 pyrroline, imidazole, imidazolidine, 2-imidazoline, 3-imidazoline, pyrazole,  
 pyrazoline, 2-pyrazoline, 3-pyrazoline, piperidine, piperazine, indole, indoline, 1H-  
 indazole, position 2 of a isoindole, or isoindoline, position 4 of a morpholine, and  
 position 9 of a carbazole, or  $\beta$ -carboline. Still more typically, nitrogen bonded  
 25 heterocycles include 1-aziridyl, 1-azetedy, 1-pyrrolyl, 1-imidazolyl, 1-pyrazolyl, and  
 1-piperidinyl.

“Carbocycle” refers to a saturated, unsaturated or aromatic ring having 3 to 7  
 carbon atoms as a monocycle, 7 to 12 carbon atoms as a bicycle, and up to about 20  
 carbon atoms as a polycycle. Monocyclic carbocycles have 3 to 6 ring atoms, still  
 30 more typically 5 or 6 ring atoms. Bicyclic carbocycles have 7 to 12 ring atoms, *e.g.*,



arranged as a bicyclo [4,3], [3,3], [2,2] or [6,6] system, or 9 or 10 ring atoms arranged as a bicyclo [5,6] or [6,6] system. Examples of monocyclic carbocycles include cyclopropyl, cyclobutyl, cyclopentyl, 1-cyclopent-1-enyl, 1-cyclopent-2-enyl, 1-cyclopent-3-enyl, cyclohexyl, 1-cyclohex-1-enyl, 1-cyclohex-2-enyl, 1-cyclohex-3-enyl, phenyl, spiryl and naphthyl.

“Linker” or “link” refers to a chemical moiety comprising a covalent bond or a chain or group of atoms that covalently attaches a phosphonate group to a drug. Linkers include portions of substituents A<sup>1</sup> and A<sup>3</sup>, which include moieties such as: repeating units of alkyloxy (*e.g.*, polyethylenoxy, PEG, polymethyleneoxy) and alkylamino (*e.g.*, polyethyleneamino, Jeffamine<sup>TM</sup>); and diacid ester and amides including succinate, succinamide, diglycolate, malonate, and caproamide.

The term “chiral” refers to molecules which have the property of non-superimposability of the mirror image partner, while the term “achiral” refers to molecules which are superimposable on their mirror image partner.

The term “stereoisomers” refers to compounds which have identical chemical constitution, but differ with regard to the arrangement of the atoms or groups in space.

“Diastereomer” refers to a stereoisomer with two or more centers of chirality and whose molecules are not mirror images of one another. Diastereomers have different physical properties, *e.g.*, melting points, boiling points, spectral properties, and reactivities. Mixtures of diastereomers may separate under high resolution analytical procedures such as electrophoresis and chromatography.

“Enantiomers” refer to two stereoisomers of a compound which are non-superimposable mirror images of one another.

The term “treatment” or “treating,” to the extent it relates to a disease or condition includes preventing the disease or condition from occurring, inhibiting the disease or condition, eliminating the disease or condition, and/or relieving one or more symptoms of the disease or condition.

Stereochemical definitions and conventions used herein generally follow S. P. Parker, Ed., McGraw-Hill Dictionary of Chemical Terms (1984) McGraw-Hill Book Company, New York; and Eliel, E. and Wilen, S., Stereochemistry of Organic Compounds (1994) John Wiley & Sons, Inc., New York. Many organic compounds exist in optically active forms, *i.e.*, they have the ability to rotate the plane of plane-polarized light. In describing an optically active compound, the prefixes D and L or R

and is used to denote the absolute configuration of the molecule about its chiral center(s). The prefixes d and l or (+) and (-) are employed to designate the sign of rotation of plane-polarized light by the compound, with (-) or l meaning that the compound is levorotatory. A compound prefixed with (+) or d is dextrorotatory. For  
5 a given chemical structure, these stereoisomers are identical except that they are mirror images of one another. A specific stereoisomer may also be referred to as an enantiomer, and a mixture of such isomers is often called an enantiomeric mixture. A 50:50 mixture of enantiomers is referred to as a racemic mixture or a racemate, which may occur where there has been no stereoselection or stereospecificity in a chemical  
10 reaction or process. The terms "racemic mixture" and "racemate" refer to an equimolar mixture of two enantiomeric species, devoid of optical activity.

### Protecting Groups

In the context of the present invention, protecting groups include prodrug moieties and chemical protecting groups.

15 Protecting groups are available, commonly known and used, and are optionally used to prevent side reactions with the protected group during synthetic procedures, *i.e.* routes or methods to prepare the compounds of the invention. For the most part the decision as to which groups to protect, when to do so, and the nature of the chemical protecting group "PG" will be dependent upon the chemistry of the  
20 reaction to be protected against (*e.g.*, acidic, basic, oxidative, reductive or other conditions) and the intended direction of the synthesis. The PG groups do not need to be, and generally are not, the same if the compound is substituted with multiple PG. In general, PG will be used to protect functional groups such as carboxyl, hydroxyl, thio, or amino groups and to thus prevent side reactions or to otherwise facilitate the  
25 synthetic efficiency. The order of deprotection to yield free, deprotected groups is dependent upon the intended direction of the synthesis and the reaction conditions to be encountered, and may occur in any order as determined by the artisan.

Various functional groups of the compounds of the invention may be protected. For example, protecting groups for -OH groups (whether hydroxyl,  
30 carboxylic acid, phosphonic acid, or other functions) include "ether- or ester-forming groups". Ether- or ester-forming groups are capable of functioning as chemical protecting groups in the synthetic schemes set forth herein. However, some hydroxyl

and also protecting groups are neither ether- nor ester-forming groups, as will be understood by those skilled in the art, and are included with amides, discussed below.

A very large number of hydroxyl protecting groups and amide-forming groups and corresponding chemical cleavage reactions are described in Protective Groups in Organic Synthesis, Theodora W. Greene (John Wiley & Sons, Inc., New York, 1991, ISBN 0-471-62301-6) ("Greene"). See also Kocienski, Philip J.; Protecting Groups (Georg Thieme Verlag Stuttgart, New York, 1994), which is incorporated by reference in its entirety herein. In particular Chapter 1, Protecting Groups: An Overview, pages 1-20, Chapter 2, Hydroxyl Protecting Groups, pages 21-94, Chapter 3, Diol Protecting Groups, pages 95-117, Chapter 4, Carboxyl Protecting Groups, pages 118-154, Chapter 5, Carbonyl Protecting Groups, pages 155-184. For protecting groups for carboxylic acid, phosphonic acid, phosphonate, sulfonic acid and other protecting groups for acids see Greene as set forth below. Such groups include by way of example and not limitation, esters, amides, hydrazides, and the like.

15

#### Ether- and Ester-forming protecting groups

Ester-forming groups include: (1) phosphonate ester-forming groups, such as phosphoramidate esters, phosphorothioate esters, phosphonate esters, and phosphon-bis-amidates; (2) carboxyl ester-forming groups, and (3) sulphur ester-forming groups; such as sulphonate, sulfate, and sulfinate.

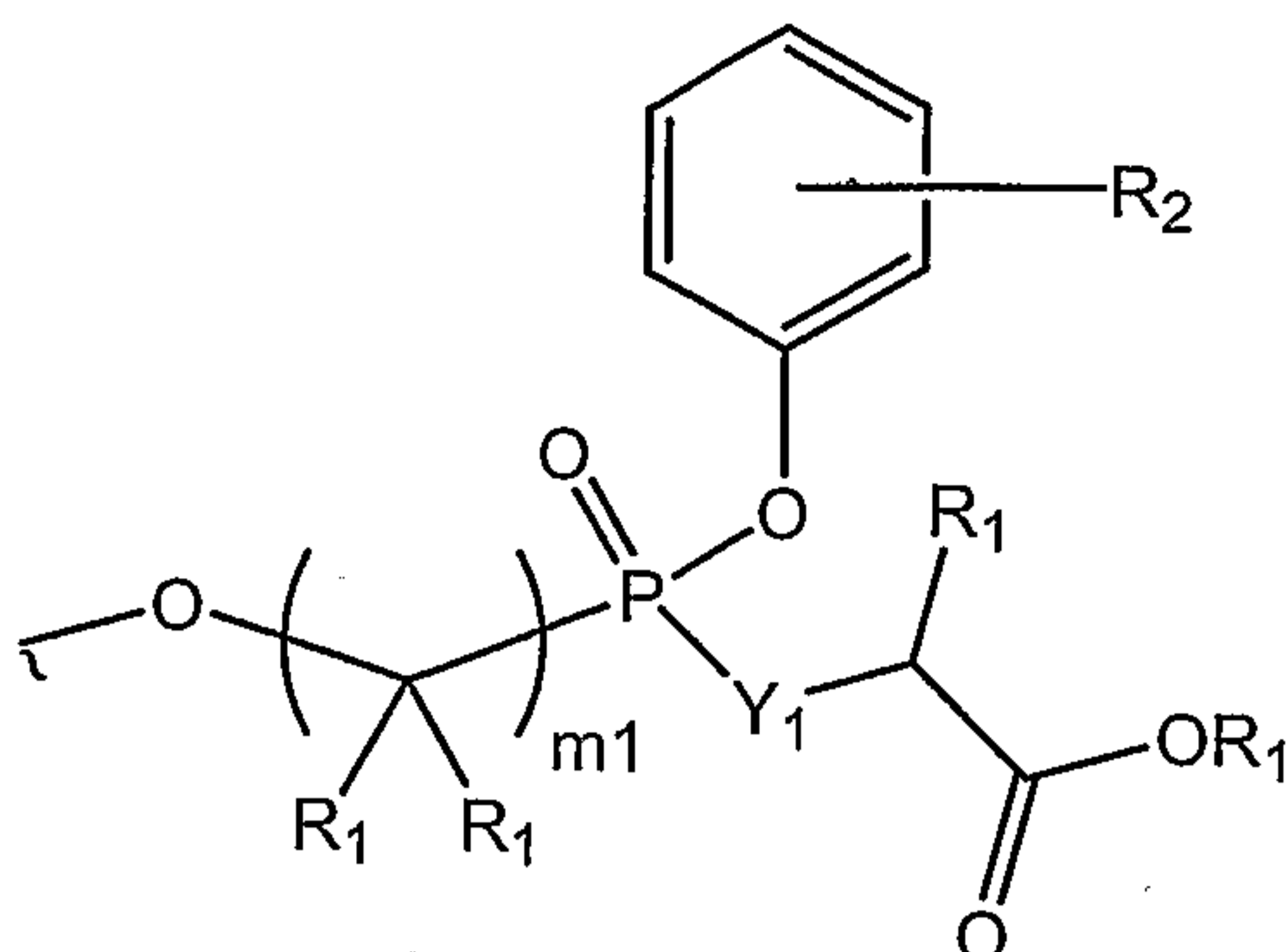
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The optional phosphonate moieties of the compounds of the invention may or may not be prodrug moieties, *i.e.* they may or may be susceptible to hydrolytic or enzymatic cleavage or modification. Certain phosphonate moieties are stable under most or nearly all metabolic conditions. For example, a dialkylphosphonate, where the alkyl groups are two or more carbons, may have appreciable stability *in vivo* due to a slow rate of hydrolysis.

25

Within the context of phosphonate prodrug moieties, a large number of structurally-diverse prodrugs have been described for phosphonic acids (Freeman and Ross in Progress in Medicinal Chemistry 34: 112-147 (1997) and are included within the scope of the present invention. An exemplary phosphonate ester-forming group is the phenyl carbocycle in substructure A<sub>3</sub> having the formula:

30



wherein  $R_1$  may be H or  $C_1$ - $C_{12}$  alkyl;  $m_1$  is 1, 2, 3, 4, 5, 6, 7 or 8, and the phenyl carbocycle is substituted with 0 to 3  $R_2$  groups. Where  $Y_1$  is O, a lactate ester is formed, and where  $Y_1$  is  $N(R_2)$ ,  $N(OR_2)$  or  $N(N(R_2)_2)$ , a phosphoramidate ester results.

In its ester-forming role, a protecting group typically is bound to any acidic group such as, by way of example and not limitation, a  $-CO_2H$  or  $-C(S)OH$  group, thereby resulting in  $-CO_2R^x$  where  $R^x$  is defined herein. Also,  $R^x$  for example includes the enumerated ester groups of WO 95/07920.

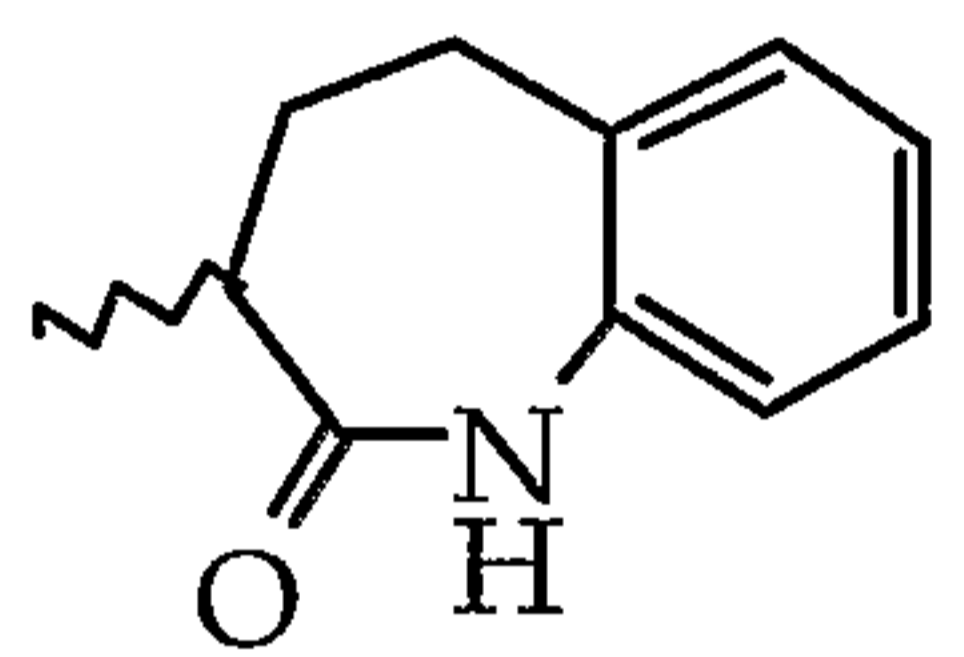
Examples of protecting groups include:

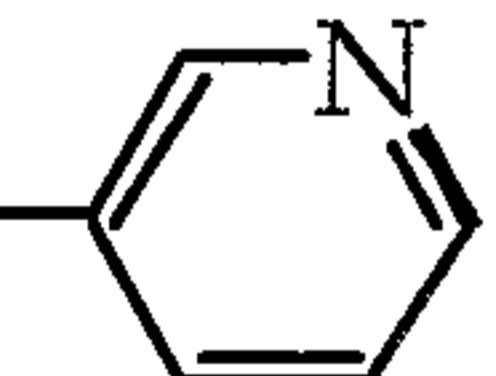
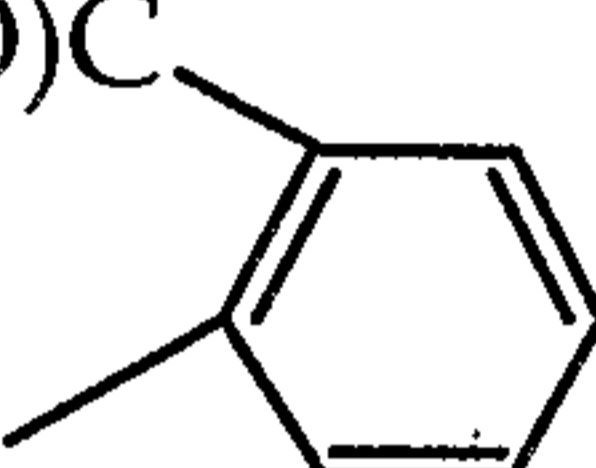
$C_3$ - $C_{12}$  heterocycle (described above) or aryl. These aromatic groups optionally are polycyclic or monocyclic. Examples include phenyl, spiryl, 2- and 3-pyrrolyl, 2- and 3-thienyl, 2- and 4-imidazolyl, 2-, 4- and 5-oxazolyl, 3- and 4-isoxazolyl, 2-, 4- and 5-thiazolyl, 3-, 4- and 5-isothiazolyl, 3- and 4-pyrazolyl, 1-, 2-, 3- and 4-pyridinyl, and 1-, 2-, 4- and 5-pyrimidinyl,

$C_3$ - $C_{12}$  heterocycle or aryl substituted with halo,  $R^1$ ,  $R^1$ -O- $C_1$ - $C_{12}$  alkylene,  $C_1$ - $C_{12}$  alkoxy, CN,  $NO_2$ , OH, carboxy, carboxyester, thiol, thioester,  $C_1$ - $C_{12}$  haloalkyl (1-6 halogen atoms),  $C_2$ - $C_{12}$  alkenyl or  $C_2$ - $C_{12}$  alkynyl. Such groups include 2-, 3- and 4-alkoxyphenyl ( $C_1$ - $C_{12}$  alkyl), 2-, 3- and 4-methoxyphenyl, 2-, 3- and 4-ethoxyphenyl, 2,3-, 2,4-, 2,5-, 2,6-, 3,4- and 3,5-diethoxyphenyl, 2- and 3-carboethoxy-4-hydroxyphenyl, 2- and 3-ethoxy-4-hydroxyphenyl, 2- and 3-ethoxy-5-hydroxyphenyl, 2- and 3-ethoxy-6-hydroxyphenyl, 2-, 3- and 4-O-acetylphenyl, 2-, 3- and 4-dimethylaminophenyl, 2-, 3- and 4-methylmercaptophenyl, 2-, 3- and 4-halophenyl (including 2-, 3- and 4-fluorophenyl and 2-, 3- and 4-chlorophenyl), 2,3-, 2,4-, 2,5-, 2,6-, 3,4- and 3,5-dimethylphenyl, 2,3-, 2,4-, 2,5-, 2,6-, 3,4- and 3,5-biscarboxyethylphenyl, 2,3-, 2,4-, 2,5-, 2,6-, 3,4- and 3,5-dimethoxyphenyl, 2,3-, 2,4-,

4,5-, 4,6-, 5,6- and 5,7-substituted phenyl (including 2,4-difluorophenyl and 3,5-difluorophenyl), 2-, 3- and 4-haloalkylphenyl (1 to 5 halogen atoms, C<sub>1</sub>-C<sub>12</sub> alkyl including 4-trifluoromethylphenyl), 2-, 3- and 4-cyanophenyl, 2-, 3- and 4-nitrophenyl, 2-, 3- and 4-haloalkylbenzyl (1 to 5 halogen atoms, C<sub>1</sub>-C<sub>12</sub> alkyl including 4-trifluoromethylbenzyl and 2-, 3- and 4-trichloromethylphenyl and 2-, 3- and 4-trichloromethylphenyl), 4-N-methylpiperidinyl, 3-N-methylpiperidinyl, 1-ethylpiperazinyl, benzyl, alkylsalicylphenyl (C<sub>1</sub>-C<sub>4</sub> alkyl, including 2-, 3- and 4-ethylsalicylphenyl), 2-,3- and 4-acetylphenyl, 1,8-dihydroxynaphthyl (-C<sub>10</sub>H<sub>6</sub>-OH) and aryloxy ethyl [C<sub>6</sub>-C<sub>9</sub> aryl (including phenoxy ethyl)], 2,2'-dihydroxybiphenyl, 2-, 3- and 4-N,N-dialkylaminophenol, -C<sub>6</sub>H<sub>4</sub>CH<sub>2</sub>-N(CH<sub>3</sub>)<sub>2</sub>, trimethoxybenzyl,

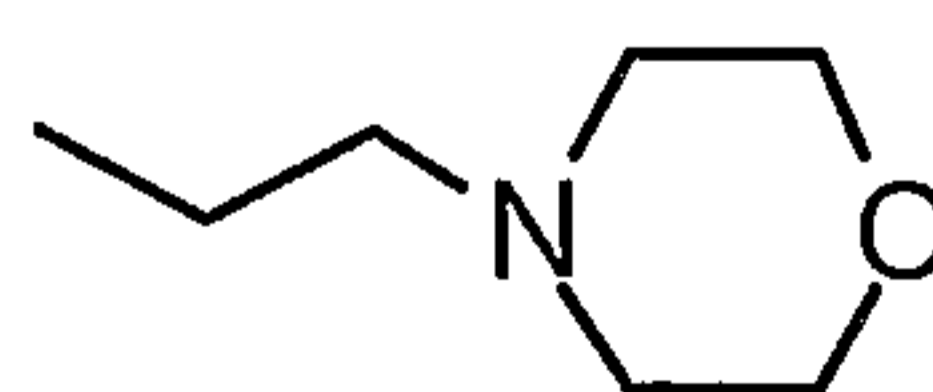
triethoxybenzyl, 2-alkyl pyridinyl (C<sub>1-4</sub> alkyl);



-CH<sub>2</sub>-O-C(O)-; ; C<sub>4</sub> - C<sub>8</sub> esters of 2-carboxyphenyl;

and C<sub>1</sub>-C<sub>4</sub> alkylene-C<sub>3</sub>-C<sub>6</sub> aryl (including benzyl, -CH<sub>2</sub>-pyrrolyl, -CH<sub>2</sub>-thienyl, -CH<sub>2</sub>-imidazolyl, -CH<sub>2</sub>-oxazolyl, -CH<sub>2</sub>-isoxazolyl, -CH<sub>2</sub>-thiazolyl, -CH<sub>2</sub>-isothiazolyl, -CH<sub>2</sub>-pyrazolyl, -CH<sub>2</sub>-pyridinyl and -CH<sub>2</sub>-pyrimidinyl) substituted in the aryl moiety by 3 to 5 halogen atoms or 1 to 2 atoms or groups selected from halogen, C<sub>1</sub>-C<sub>12</sub> alkoxy (including methoxy and ethoxy), cyano, nitro, OH, C<sub>1</sub>-C<sub>12</sub> haloalkyl (1 to 6 halogen atoms; including -CH<sub>2</sub>CCl<sub>3</sub>), C<sub>1</sub>-C<sub>12</sub> alkyl (including methyl and ethyl), C<sub>2</sub>-C<sub>12</sub> alkenyl or C<sub>2</sub>-C<sub>12</sub> alkynyl; alkoxy ethyl [C<sub>1</sub>-C<sub>6</sub> alkyl including -CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>3</sub> (methoxy ethyl)]; alkyl substituted by any of the groups set forth above for aryl, in particular OH or by 1 to 3 halo atoms (including -CH<sub>3</sub>, -CH(CH<sub>3</sub>)<sub>2</sub>, -C(CH<sub>3</sub>)<sub>3</sub>, -CH<sub>2</sub>CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>2</sub>CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>3</sub>CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>4</sub>CH<sub>3</sub>, -(CH<sub>2</sub>)<sub>5</sub>CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>2</sub>F, -

CH<sub>2</sub>CH<sub>2</sub>Cl, -CH<sub>2</sub>CF<sub>3</sub>, and -CH<sub>2</sub>CCl<sub>3</sub>);



; -N-2-

propylmorpholino, 2,3-dihydro-6-hydroxyindene, sesamol, catechol monoester, -CH<sub>2</sub>-C(O)-N(R<sup>1</sup>)<sub>2</sub>, -CH<sub>2</sub>-S(O)(R<sup>1</sup>), -CH<sub>2</sub>-S(O)<sub>2</sub>(R<sup>1</sup>), -CH<sub>2</sub>-CH(OC(O)CH<sub>2</sub>R<sup>1</sup>)-

$\text{-CH}_2\text{C}(\text{O})\text{CH}_2\text{N}^-$ ), cholesterol, choleylate ( $\text{HOOC-C}(\text{=CH}_2\text{)-}$ ), glycerol;

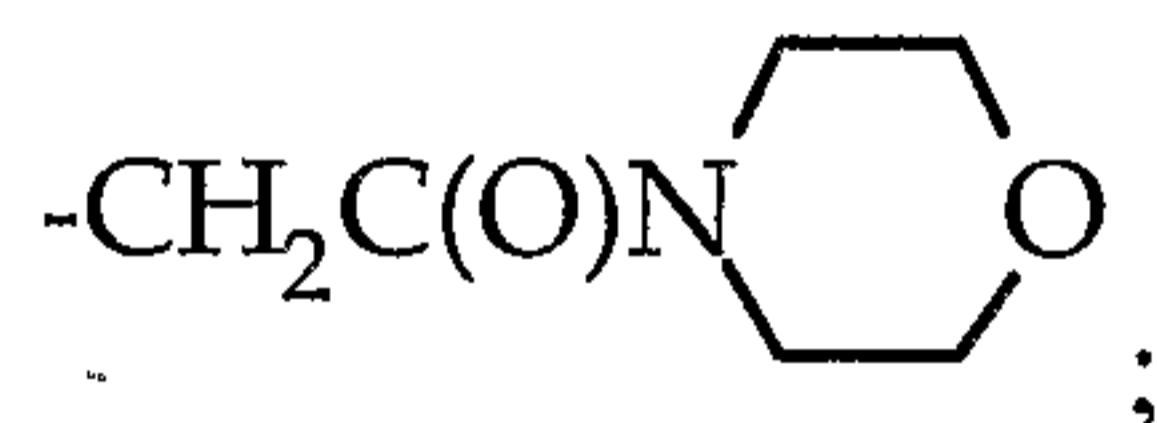
a 5 or 6 carbon monosaccharide, disaccharide or oligosaccharide (3 to 9 monosaccharide residues);

triglycerides such as  $\alpha$ -D- $\beta$ -diglycerides (wherein the fatty acids composing glyceride lipids generally are naturally occurring saturated or unsaturated  $\text{C}_{6-26}$ ,  $\text{C}_{6-18}$  or  $\text{C}_{6-10}$  fatty acids such as linoleic, lauric, myristic, palmitic, stearic, oleic, palmitoleic, linolenic and the like fatty acids) linked to acyl of the parental compounds herein through a glyceryl oxygen of the triglyceride;

phospholipids linked to the carboxyl group through the phosphate of the phospholipid;

phthalidyl (shown in Fig. 1 of Clayton et al., *Antimicrob. Agents Chemo.* (1974) 5(6):670-671);

cyclic carbonates such as (5- $\text{R}_d$ -2-oxo-1,3-dioxolen-4-yl) methyl esters (Sakamoto et al., *Chem. Pharm. Bull.* (1984) 32(6)2241-2248) where  $\text{R}_d$  is  $\text{R}_1$ ,  $\text{R}_4$  or aryl; and

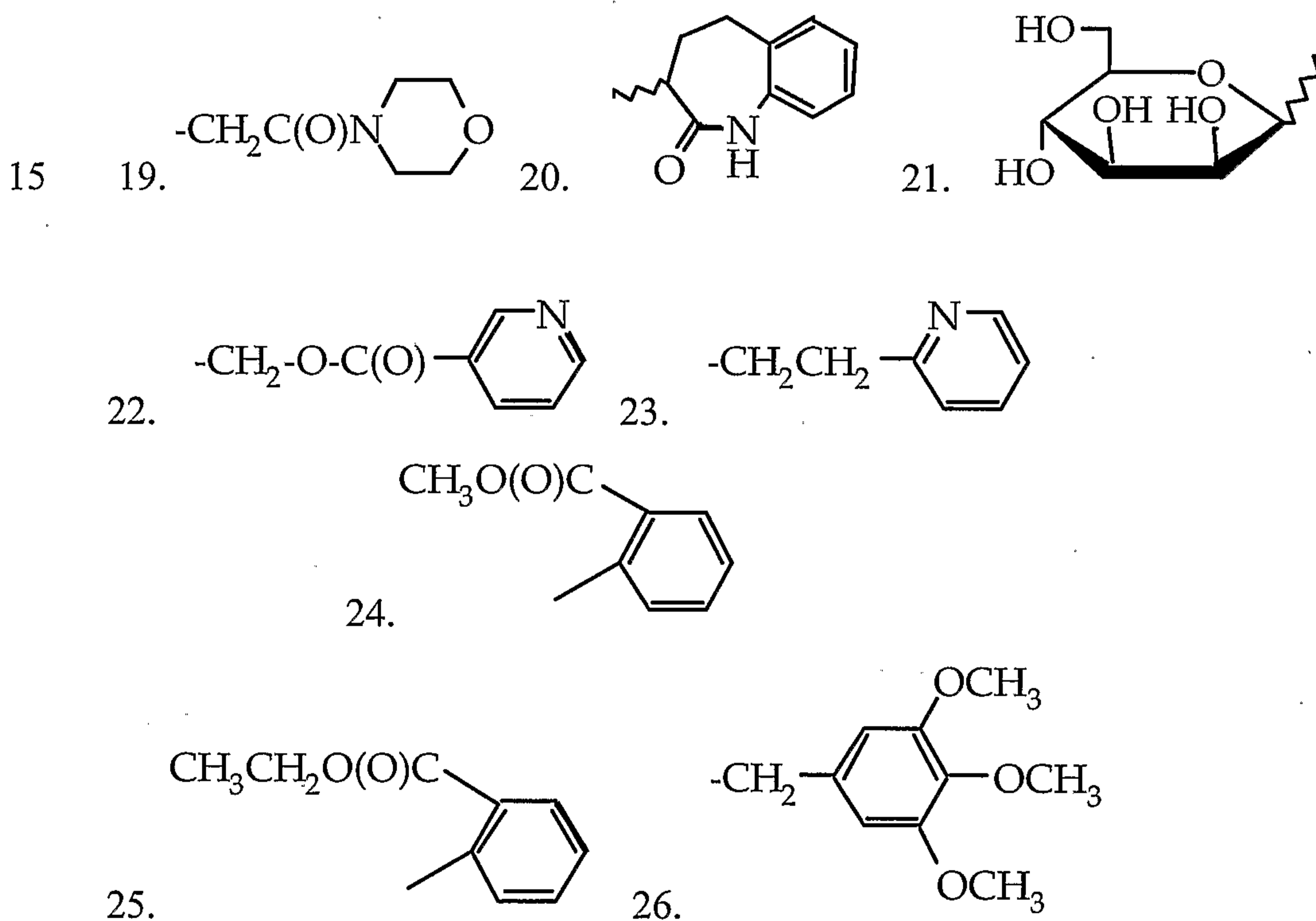


The hydroxyl groups of the compounds of this invention optionally are substituted with one of groups III, IV or V disclosed in WO 94/21604, or with isopropyl.

Table A lists examples of protecting group ester moieties that for example can be bonded via oxygen to  $\text{-C}(\text{O})\text{O-}$  and  $\text{-P}(\text{O})(\text{O-})_2$  groups. Several amidates also are shown, which are bound directly to  $\text{-C}(\text{O}-)$  or  $\text{-P}(\text{O})_2$ . Esters of structures 1-5, 8-10 and 16, 17, 19-22 are synthesized by reacting the compound herein having a free hydroxyl with the corresponding halide (chloride or acyl chloride and the like) and N,N-dicyclohexyl-N-morpholine carboxamidine (or another base such as DBU, triethylamine,  $\text{CsCO}_3$ , N,N-dimethylaniline and the like) in DMF (or other solvent such as acetonitrile or N-methylpyrrolidone). When the compound to be protected is a phosphonate, the esters of structures 5-7, 11, 12, 21, and 23-26 are synthesized by reaction of the alcohol or alkoxide salt (or the corresponding amines in the case of compounds such as 13, 14 and 15) with the monochlorophosphonate or dichlorophosphonate (or another activated phosphonate).

TABLE A

- |    |                                                                            |                                                                                                                               |
|----|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
|    | 1. -CH <sub>2</sub> -C(O)-N(R <sub>1</sub> ) <sub>2</sub> *                | 10. -CH <sub>2</sub> -O-C(O)-C(CH <sub>3</sub> ) <sub>3</sub>                                                                 |
| 5  | 2. -CH <sub>2</sub> -S(O)(R <sub>1</sub> )                                 | 11. -CH <sub>2</sub> -CCl <sub>3</sub>                                                                                        |
|    | 3. -CH <sub>2</sub> -S(O) <sub>2</sub> (R <sub>1</sub> )                   | 12. -C <sub>6</sub> H <sub>5</sub>                                                                                            |
|    | 4. -CH <sub>2</sub> -O-C(O)-CH <sub>2</sub> -C <sub>6</sub> H <sub>5</sub> | 13. -NH-CH <sub>2</sub> -C(O)O-CH <sub>2</sub> CH <sub>3</sub>                                                                |
|    | 5. 3-cholesteryl                                                           | 14. -N(CH <sub>3</sub> )-CH <sub>2</sub> -C(O)O-CH <sub>2</sub> CH <sub>3</sub>                                               |
|    | 6. 3-pyridyl                                                               | 15. -NHR <sub>1</sub>                                                                                                         |
| 10 | 7. N-ethylmorpholino                                                       | 16. -CH <sub>2</sub> -O-C(O)-C <sub>10</sub> H <sub>15</sub>                                                                  |
|    | 8. -CH <sub>2</sub> -O-C(O)-C <sub>6</sub> H <sub>5</sub>                  | 17. -CH <sub>2</sub> -O-C(O)-CH(CH <sub>3</sub> ) <sub>2</sub>                                                                |
|    | 9. -CH <sub>2</sub> -O-C(O)-CH <sub>2</sub> CH <sub>3</sub>                | 18. -CH <sub>2</sub> -C#H(OC(O)CH <sub>2</sub> R <sub>1</sub> )-CH <sub>2</sub> -<br>-(OC(O)CH <sub>2</sub> R <sub>1</sub> )* |

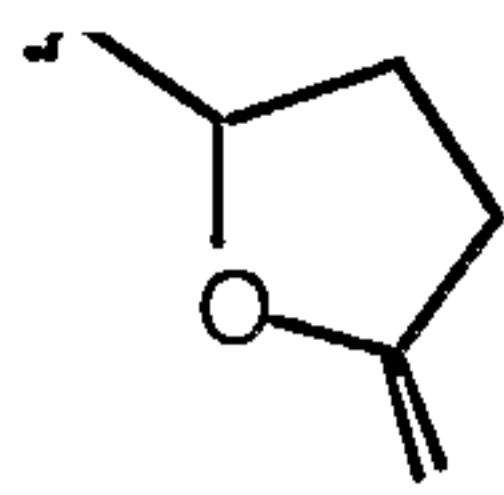


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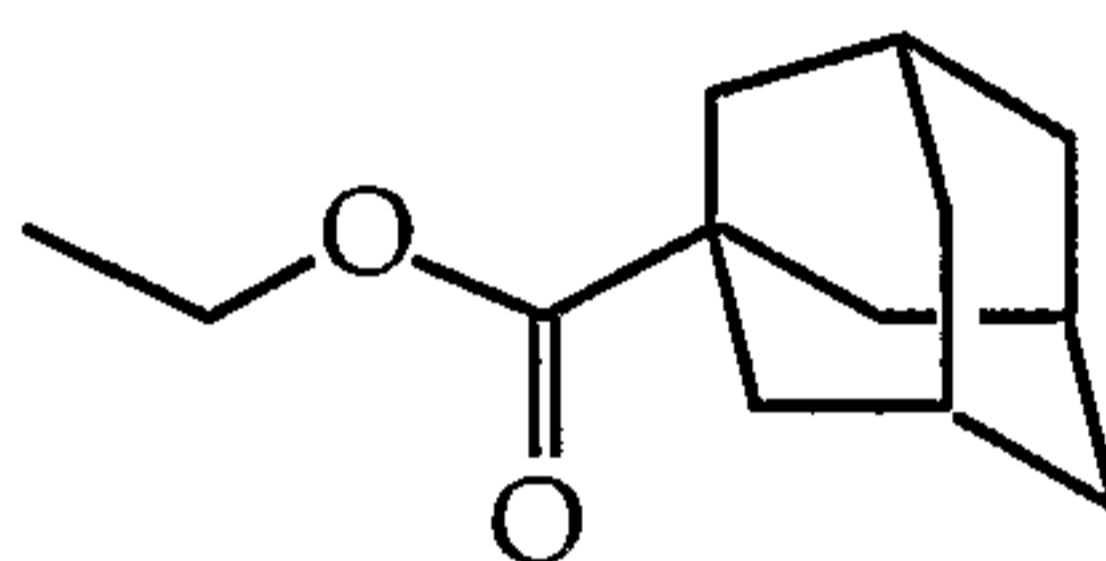
# - chiral center is (R), (S) or racemate.

Other esters that are suitable for use herein are described in EP 632048.

Protecting groups also includes "double ester" forming profunctionalities such



as  $-\text{CH}_2\text{OC}(\text{O})\text{OCH}_3$ ,  $-\text{CH}_2\text{SCOCH}_3$ ,  $-\text{CH}_2\text{OCON}(\text{CH}_3)_2$ , or alkyl- or aryl-acyloxyalkyl groups of the structure  $-\text{CH}(\text{R}^1 \text{ or } \text{W}^5)\text{O}((\text{CO})\text{R}^{37})$  or  $-\text{CH}(\text{R}^1 \text{ or } \text{W}^5)((\text{CO})\text{OR}^{38})$  (linked to oxygen of the acidic group) wherein  $\text{R}^{37}$  and  $\text{R}^{38}$  are alkyl, aryl, or alkylaryl groups (see U.S. Patent No. 4968788). Frequently  $\text{R}^{37}$  and  $\text{R}^{38}$  are bulky groups such as branched alkyl, ortho-substituted aryl, meta-substituted aryl, or combinations thereof, including normal, secondary, iso- and tertiary alkyls of 1-6 carbon atoms. An example is the pivaloyloxymethyl group. These are of particular use with prodrugs for oral administration. Examples of such useful protecting groups are alkylacyloxymethyl esters and their derivatives, including -



10  $\text{CH}(\text{CH}_2\text{CH}_2\text{OCH}_3)\text{OC}(\text{O})\text{C}(\text{CH}_3)_3$ ,  $-\text{CH}_2\text{OC}(\text{O})\text{C}_{10}\text{H}_{15}$ ,  $-\text{CH}_2\text{OC}(\text{O})\text{C}(\text{CH}_3)_3$ ,  $-\text{CH}(\text{CH}_2\text{OCH}_3)\text{OC}(\text{O})\text{C}(\text{CH}_3)_3$ ,  $-\text{CH}(\text{CH}(\text{CH}_3)_2)\text{OC}(\text{O})\text{C}(\text{CH}_3)_3$ ,  $-\text{CH}_2\text{OC}(\text{O})\text{CH}_2\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{OC}(\text{O})\text{C}_6\text{H}_{11}$ ,  $-\text{CH}_2\text{OC}(\text{O})\text{C}_6\text{H}_5$ ,  $-\text{CH}_2\text{OC}(\text{O})\text{C}_{10}\text{H}_{15}$ ,  $-\text{CH}_2\text{OC}(\text{O})\text{CH}_2\text{CH}_3$ ,  $-\text{CH}_2\text{OC}(\text{O})\text{CH}(\text{CH}_3)_2$ ,  $-\text{CH}_2\text{OC}(\text{O})\text{C}(\text{CH}_3)_3$  and  $-\text{CH}_2\text{OC}(\text{O})\text{CH}_2\text{C}_6\text{H}_5$ .

15 In some embodiments the protected acidic group is an ester of the acidic group and is the residue of a hydroxyl-containing functionality. In other embodiments, an amino compound is used to protect the acid functionality. The residues of suitable hydroxyl or amino-containing functionalities are set forth above or are found in WO 95/07920. Of particular interest are the residues of amino acids, amino acid esters, 20 polypeptides, or aryl alcohols. Typical amino acid, polypeptide and carboxyl-esterified amino acid residues are described on pages 11-18 and related text of WO 95/07920 as groups L1 or L2. WO 95/07920 expressly teaches the amidates of phosphonic acids, but it will be understood that such amidates are formed with any of the acid groups set forth herein and the amino acid residues set forth in WO 95/07920.

25 Typical esters for protecting acidic functionalities are also described in WO 95/07920, again understanding that the same esters can be formed with the acidic groups herein as with the phosphonate of the '920 publication. Typical ester groups are defined at least on WO 95/07920 pages 89-93 (under  $\text{R}^{31}$  or  $\text{R}^{35}$ ), the table on



page 100, and pages 21-25 (as in). Of particular interest are esters of unsubstituted aryl such as phenyl or arylalkyl such benzyl, or hydroxy-, halo-, alkoxy-, carboxy- and/or alkylestercarboxy-substituted aryl or alkylaryl, especially phenyl, ortho-ethoxyphenyl, or C<sub>1</sub>-C<sub>4</sub> alkylestercarboxyphenyl (salicylate C<sub>1</sub>-C<sub>12</sub> alkylesters).

5 The protected acidic groups, particularly when using the esters or amides of WO 95/07920, are useful as prodrugs for oral administration. However, it is not essential that the acidic group be protected in order for the compounds of this invention to be effectively administered by the oral route. When the compounds of the invention having protected groups, in particular amino acid amidates or  
10 substituted and unsubstituted aryl esters are administered systemically or orally they are capable of hydrolytic cleavage *in vivo* to yield the free acid.

One or more of the acidic hydroxyls are protected. If more than one acidic hydroxyl is protected then the same or a different protecting group is employed, *e.g.*, the esters may be different or the same, or a mixed amidate and ester may be used.

15 Typical hydroxy protecting groups described in Greene (pages 14-118) include substituted methyl and alkyl ethers, substituted benzyl ethers, silyl ethers, esters including sulfonic acid esters, and carbonates. For example:

- Ethers (methyl, *t*-butyl, allyl);
- Substituted Methyl Ethers (Methoxymethyl, Methylthiomethyl, *t*-Butylthiomethyl, 20 (Phenyldimethylsilyl)methoxymethyl, Benzyloxymethyl, *p*-Methoxybenzyloxymethyl, (4-Methoxyphenoxy)methyl, Guaiacolmethyl, *t*-Butoxymethyl, 4-Pentenylloxymethyl, Siloxymethyl, 2-Methoxyethoxymethyl, 2,2,2-Trichloroethoxymethyl, Bis(2-chloroethoxy)methyl, 2-(Trimethylsilyl)ethoxymethyl, Tetrahydropyranyl, 3-Bromotetrahydropyranyl, 25 Tetrahydrothiopyranyl, 1-Methoxycyclohexyl, 4-Methoxytetrahydropyranyl, 4-Methoxytetrahydrothiopyranyl, 4-Methoxytetrahydrothiopyranyl *S,S*-Dioxido, 1-[(2-Chloro-4-methyl)phenyl]-4-methoxypiperidin-4-yl, 1,4-Dioxan-2-yl, Tetrahydrofuranyl, Tetrahydrothiofuranyl, 2,3,3a,4,5,6,7,7a-Octahydro-7,8,8-trimethyl-4,7-methanobenzofuran-2-yl));
- Substituted Ethyl Ethers (1-Ethoxyethyl, 1-(2-Chloroethoxy)ethyl, 1-Methyl-1-methoxyethyl, 1-Methyl-1-benzyloxyethyl, 1-Methyl-1-benzyloxy-2-fluoroethyl, 30 2,2,2-Trichloroethyl, 2-Trimethylsilylethyl, 2-(Phenylselenyl)ethyl,

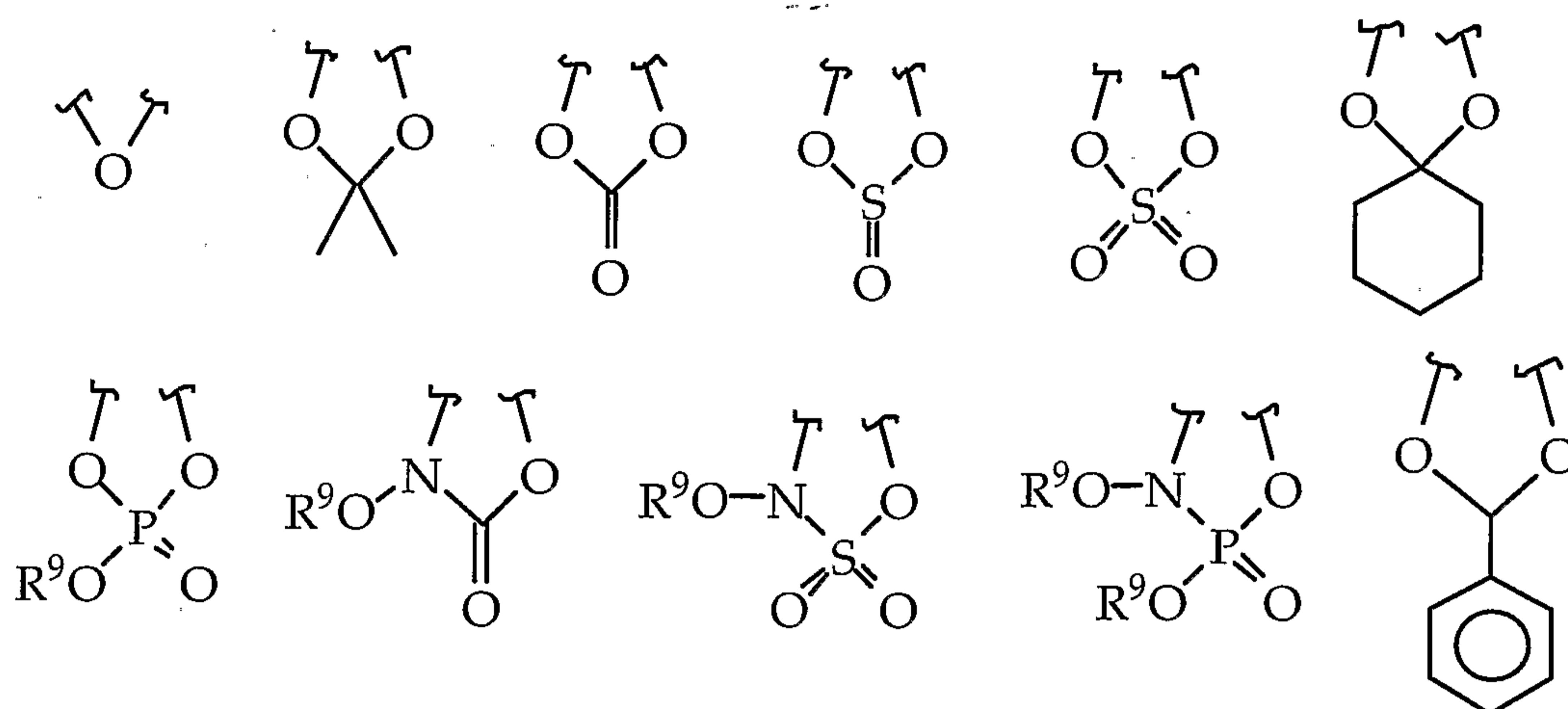
- *p*-Methoxyphenyl, *p*-methoxybenzyl, *o*,*o*,*o*-4-Dinitrophenyl, Benzyl);
- Substituted Benzyl Ethers (*p*-Methoxybenzyl, 3,4-Dimethoxybenzyl, *o*-Nitrobenzyl, *p*-Nitrobenzyl, *p*-Halobenzyl, 2,6-Dichlorobenzyl, *p*-Cyanobenzyl, *p*-Phenylbenzyl, 2- and 4-Picolyl, 3-Methyl-2-picolyl *N*-Oxido, Diphenylmethyl, 5  
5 *p,p'*-Dinitrobenzhydryl, 5-Dibenzosuberyl, Triphenylmethyl,  $\alpha$ -Naphthyldiphenylmethyl, *p*-methoxyphenyldiphenylmethyl, Di(*p*-methoxyphenyl)phenylmethyl, Tri(*p*-methoxyphenyl)methyl, 4-(4'-Bromophenacyloxy)phenyldiphenylmethyl, 4,4',4''-Tris(4,5-dichlorophthalimidophenyl)methyl, 4,4',4''-Tris(levulinoyloxyphenyl)methyl, 10  
10 4,4',4''-Tris(benzoyloxyphenyl)methyl, 3-(Imidazol-1-ylmethyl)bis(4',4''-dimethoxyphenyl)methyl, 1,1-Bis(4-methoxyphenyl)-1'-pyrenylmethyl, 9-Anthryl, 9-(9-Phenyl)xanthyryl, 9-(9-Phenyl-10-oxo)anthryl, 1,3-Benzodithiolan-2-yl, Benzisothiazolyl *S,S*-Dioxido);
- Silyl Ethers (Trimethylsilyl, Triethylsilyl, Triisopropylsilyl, 15  
15 Dimethylisopropylsilyl, Diethylisopropylsilyl, Dimethylhexylsilyl, *t*-Butyldimethylsilyl, *t*-Butyldiphenylsilyl, Tribenzylsilyl, Tri-*p*-xylylsilyl, Triphenylsilyl, Diphenylmethylsilyl, *t*-Butylmethoxyphenylsilyl);
- Esters (Formate, Benzoylformate, Acetate, Chloroacetate, Dichloroacetate, Trichloroacetate, Trifluoroacetate, Methoxyacetate, Triphenylmethoxyacetate, 20  
20 Phenoxyacetate, *p*-Chlorophenoxyacetate, *p*-poly-Phenylacetate, 3-Phenylpropionate, 4-Oxopentanoate (Levulinate), 4,4-(Ethylenedithio)pentanoate, Pivaloate, Adamantoate, Crotonate, 4-Methoxycrotonate, Benzoate, *p*-Phenylbenzoate, 2,4,6-Trimethylbenzoate (Mesitoate));
- Carbonates (Methyl, 9-Fluorenylmethyl, Ethyl, 2,2,2-Trichloroethyl, 2- 25  
25 (Trimethylsilyl)ethyl, 2-(Phenylsulfonyl)ethyl, 2-(Triphenylphosphonio)ethyl, Isobutyl, Vinyl, Allyl, *p*-Nitrophenyl, Benzyl, *p*-Methoxybenzyl, 3,4-Dimethoxybenzyl, *o*-Nitrobenzyl, *p*-Nitrobenzyl, *S*-Benzyl Thiocarbonate, 4-Ethoxy-1-naphthyl, Methyl Dithiocarbonate);
- Groups With Assisted Cleavage (2-Iodobenzoate, 4-Azidobutyrate, 4-Nitro-4- 30  
30 methylpentanoate, *o*-(Dibromomethyl)benzoate, 2-Formylbenzenesulfonate, 2-(Methylthiomethoxy)ethyl Carbonate, 4-(Methylthiomethoxy)butyrate, 2-(Methylthiomethoxymethyl)benzoate); Miscellaneous Esters (2,6-Dichloro-4-

- methoxyphenylacetate, 2,6-Dichloro-*t*-(1,1,3,3 tetramethylbutyl)phenoxyacetate,  
 2,4-Bis(1,1-dimethylpropyl)phenoxyacetate, Chlorodiphenylacetate, Isobutyrate,  
 Monosuccinate, (*E*)-2-Methyl-2-butenate (Tigloate), *o*-  
 (Methoxycarbonyl)benzoate, *p*-poly-Benzoate,  $\alpha$ -Naphthoate, Nitrate, Alkyl  
 5 *N,N,N',N'*-Tetramethylphosphorodiamidate, *N*-Phenylcarbamate, Borate,  
 Dimethylphosphinothioyl, 2,4-Dinitrophenylsulfenate); and
- Sulfonates (Sulfate, Methanesulfonate (Mesylate), Benzylsulfonate, Tosylate).

Typical 1,2-diol protecting groups (thus, generally where two OH groups are  
 taken together with the protecting functionality) are described in Greene at pages 118-  
 10 142 and include Cyclic Acetals and Ketals (Methylene, Ethylidene, 1-*t*-  
 Butylethylidene, 1-Phenylethylidene, (4-Methoxyphenyl)ethylidene, 2,2,2-  
 Trichloroethylidene, Acetonide (Isopropylidene), Cyclopentylidene, Cyclohexylidene,  
 Cycloheptylidene, Benzylidene, *p*-Methoxybenzylidene, 2,4-Dimethoxybenzylidene,  
 3,4-Dimethoxybenzylidene, 2-Nitrobenzylidene); Cyclic Ortho Esters  
 15 (Methoxymethylene, Ethoxymethylene, Dimethoxymethylene, 1-Methoxyethylidene,  
 1-Ethoxyethylidene, 1,2-Dimethoxyethylidene,  $\alpha$ -Methoxybenzylidene, 1-(*N,N*-  
 Dimethylamino)ethylidene Derivative,  $\alpha$ -(*N,N*-Dimethylamino)benzylidene  
 Derivative, 2-Oxacyclopentylidene); Silyl Derivatives (Di-*t*-butylsilylene Group, 1,3-  
 (1,1,3,3-Tetraisopropylidisiloxanylidene), and Tetra-*t*-butoxydisiloxane-1,3-diylidene),  
 20 Cyclic Carbonates, Cyclic Boronates, Ethyl Boronate and Phenyl Boronate.

More typically, 1,2-diol protecting groups include those shown in Table B,  
 still more typically, epoxides, acetonides, cyclic ketals and aryl acetals.

Table B



wherein R<sup>9</sup> is C<sub>1</sub>-C<sub>6</sub> alkyl.

#### 5 Amino protecting groups

Another set of protecting groups include any of the typical amino protecting groups described by Greene at pages 315-385. They include:

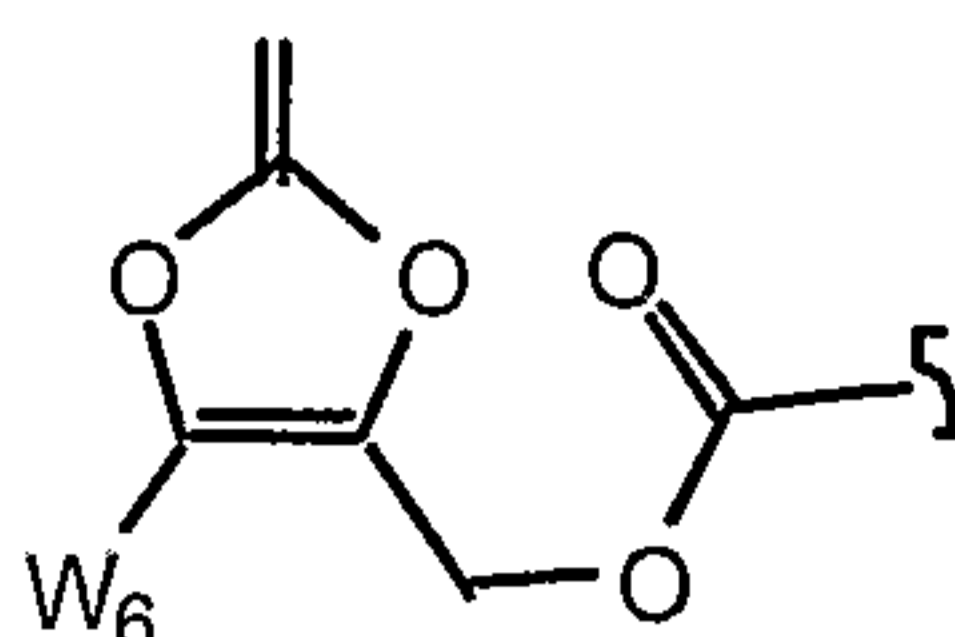
- Carbamates: (methyl and ethyl, 9-fluorenylmethyl, 9(2-sulfo)fluorenylmethyl, 9-(2,7-dibromo)fluorenylmethyl, 2,7-di-*t*-butyl-[9-(10,10-dioxo-10,10,10,10-tetrahydrothioxanthyl)]methyl, 4-methoxyphenacyl);
- Substituted Ethyl: (2,2,2-trichloroethyl, 2-trimethylsilylethyl, 2-phenylethyl, 1-(1-adamantyl)-1-methylethyl, 1,1-dimethyl-2-haloethyl, 1,1-dimethyl-2,2-dibromoethyl, 1,1-dimethyl-2,2,2-trichloroethyl, 1-methyl-1-(4-biphenyl)ethyl, 1-(3,5-di-*t*-butylphenyl)-1-methylethyl, 2-(2'- and 4'-pyridyl)ethyl, 2-(*N,N*-dicyclohexylcarboxamido)ethyl, *t*-butyl, 1-adamantyl, vinyl, allyl, 1-isopropylallyl, cinnamyl, 4-nitrocinnamyl, 8-quinolyl, *N*-hydroxypiperidinyl, alkyldithio, benzyl, *p*-methoxybenzyl, *p*-nitrobenzyl, *p*-bromobenzyl, *p*-chlorobenzyl, 2,4-dichlorobenzyl, 4-methylsulfinylbenzyl, 9-anthrylmethyl, diphenylmethyl);
- Groups With Assisted Cleavage: (2-methylthioethyl, 2-methylsulfonylethyl, 2-(*p*-toluenesulfonyl)ethyl, [2-(1,3-dithianyl)]methyl, 4-methylthiophenyl, 2,4-dimethylthiophenyl, 2-phosphonioethyl, 2-triphenylphosphonioisopropyl, 1,1-dimethyl-2-cyanoethyl, *m*-chloro-*p*-acyloxybenzyl, *p*-(dihydroxyboryl)benzyl, 5-benzisoxazolylmethyl, 2-(trifluoromethyl)-6-chromonylmethyl);

- Groups Capable of Hydrolytic Cleavage: (*m*-nitrophenyl, 3,5-dimethoxybenzyl, *o*-nitrobenzyl, 3,4-dimethoxy-6-nitrobenzyl, phenyl(*o*-nitrophenyl)methyl); Urea-Type Derivatives (phenothiazinyl-(10)-carbonyl, *N'*-*p*-toluenesulfonylamino carbonyl, *N'*-phenylaminothiocarbonyl);
- 5 • Miscellaneous Carbamates: (*t*-amyl, *S*-benzyl thiocarbamate, *p*-cyanobenzyl, cyclobutyl, cyclohexyl, cyclopentyl, cyclopropylmethyl, *p*-decyloxybenzyl, diisopropylmethyl, 2,2-dimethoxycarbonylvinyl, *o*-(*N,N*-dimethylcarboxamido)benzyl, 1,1-dimethyl-3-(*N,N*-dimethylcarboxamido)propyl, 1,1-dimethylpropynyl, di(2-pyridyl)methyl, 2-furanylmethyl, 2-Iodoethyl,
- 10 Isobornyl, Isobutyl, Isonicotinyl, *p*-(*p'*-Methoxyphenylazo)benzyl, 1-methylcyclobutyl, 1-methylcyclohexyl, 1-methyl-1-cyclopropylmethyl, 1-methyl-1-(3,5-dimethoxyphenyl)ethyl, 1-methyl-1-(*p*-phenylazophenyl)ethyl, 1-methyl-1-phenylethyl, 1-methyl-1-(4-pyridyl)ethyl, phenyl, *p*-(phenylazo)benzyl, 2,4,6-tri-*t*-butylphenyl, 4-(trimethylammonium)benzyl, 2,4,6-trimethylbenzyl);
- 15 • Amides: (*N*-formyl, *N*-acetyl, *N*-chloroacetyl, *N*-trichloroacetyl, *N*-trifluoroacetyl, *N*-phenylacetyl, *N*-3-phenylpropionyl, *N*-picolinoyl, *N*-3-pyridylcarboxamide, *N*-benzoylphenylalanyl, *N*-benzoyl, *N*-*p*-phenylbenzoyl);
- Amides With Assisted Cleavage: (*N*-*o*-nitrophenylacetyl, *N*-*o*-nitrophenoxyacetyl, *N*-acetoacetyl, (*N'*-dithiobenzyloxycarbonylamino)acetyl, *N*-3-(*p*-
- 20 hydroxyphenyl)propionyl, *N*-3-(*o*-nitrophenyl)propionyl, *N*-2-methyl-2-(*o*-nitrophenoxy)propionyl, *N*-2-methyl-2-(*o*-phenylazophenoxy)propionyl, *N*-4-chlorobutyryl, *N*-3-methyl-3-nitrobutyryl, *N*-*o*-nitrocinnamoyl, *N*-acetylmethionine, *N*-*o*-nitrobenzoyl, *N*-*o*-(benzoyloxymethyl)benzoyl, 4,5-diphenyl-3-oxazolin-2-one);
- 25 • Cyclic Imide Derivatives: (*N*-phthalimide, *N*-dithiasuccinoyl, *N*-2,3-diphenylmaleoyl, *N*-2,5-dimethylpyrrolyl, *N*-1,1,4,4-tetramethyldisilylazacyclopentane adduct, 5-substituted 1,3-dimethyl-1,3,5-triazacyclohexan-2-one, 5-substituted 1,3-dibenzyl-1,3,5-triazacyclohexan-2-one, 1-substituted 3,5-dinitro-4-pyridonyl);
- 30 • *N*-Alkyl and *N*-Aryl Amines: (*N*-methyl, *N*-allyl, *N*-[2-(trimethylsilyl)ethoxy]methyl, *N*-3-acetoxypropyl, *N*-(1-isopropyl-4-nitro-2-oxo-3-pyrrolin-3-yl), Quaternary Ammonium Salts, *N*-benzyl, *N*-di(4-

monochlorophenyl)methyl, *N*-2-methyl-2-butyl, *N*-triphenylmethyl, *N*-(4-methoxyphenyl)diphenylmethyl, *N*-9-phenylfluorenyl, *N*-2,7-dichloro-9-fluorenylmethylene, *N*-ferrocenylmethyl, *N*-2-picolylamine *N'*-oxide);

- Imine Derivatives: (*N*-1,1-dimethylthiomethylene, *N*-benzylidene, *N*-*p*-methoxybenzylidene, *N*-diphenylmethylene, *N*-[(2-pyridyl)mesityl]methylene, *N*,(*N'*,*N'*-dimethylaminomethylene, *N*,*N'*-isopropylidene, *N*-*p*-nitrobenzylidene, *N*-salicylidene, *N*-5-chlorosalicylidene, *N*-(5-chloro-2-hydroxyphenyl)phenylmethylene, *N*-cyclohexylidene);
- Enamine Derivatives: (*N*-(5,5-dimethyl-3-oxo-1-cyclohexenyl));
- 10 • *N*-Metal Derivatives (*N*-borane derivatives, *N*-diphenylborinic acid derivatives, *N*-[phenyl(pentacarbonylchromium- or -tungsten)]carbenyl, *N*-copper or *N*-zinc chelate);
- N-N Derivatives: (*N*-nitro, *N*-nitroso, *N*-oxide);
- N-P Derivatives: (*N*-diphenylphosphinyl, *N*-dimethylthiophosphinyl, *N*-diphenylthiophosphinyl, *N*-dialkyl phosphoryl, *N*-dibenzyl phosphoryl, *N*-diphenyl phosphoryl);
- 15 • N-Si Derivatives, N-S Derivatives, and N-Sulfenyl Derivatives: (*N*-benzenesulfenyl, *N*-*o*-nitrobenzenesulfenyl, *N*-2,4-dinitrobenzenesulfenyl, *N*-pentachlorobenzenesulfenyl, *N*-2-nitro-4-methoxybenzenesulfenyl, *N*-triphenylmethylsulfenyl, *N*-3-nitropyridinesulfenyl); and *N*-sulfonyl Derivatives (*N*-*p*-toluenesulfonyl, *N*-benzenesulfonyl, *N*-2,3,6-trimethyl-4-methoxybenzenesulfonyl, *N*-2,4,6-trimethoxybenzenesulfonyl, *N*-2,6-dimethyl-4-methoxybenzenesulfonyl, *N*-pentamethylbenzenesulfonyl, *N*-2,3,5,6,-tetramethyl-4-methoxybenzenesulfonyl, *N*-4-methoxybenzenesulfonyl, *N*-2,4,6-trimethylbenzenesulfonyl, *N*-2,6-dimethoxy-4-methylbenzenesulfonyl, *N*-2,2,5,7,8-pentamethylchroman-6-sulfonyl, *N*-methanesulfonyl, *N*- $\beta$ -trimethylsilyethanesulfonyl, *N*-9-anthracenesulfonyl, *N*-4-(4',8'-dimethoxynaphthylmethyl)benzenesulfonyl, *N*-benzylsulfonyl, *N*-trifluoromethylsulfonyl, *N*-phenacylsulfonyl).
- 20
- 25

30 More typically, protected amino groups include carbamates and amides, still more typically, -NHC(O)R<sup>1</sup> or -N=CR<sup>1</sup>N(R<sup>1</sup>)<sub>2</sub>. Another protecting group, also useful as a prodrug for amino or -NH(R<sup>5</sup>), is:



See for example Alexander, J. et al. (1996) *J. Med. Chem.* 39:480-486.

#### Amino acid and polypeptide protecting group and conjugates

An amino acid or polypeptide protecting group of a compound of the invention has the structure  $R^{15}NHCH(R^{16})C(O)-$ , where  $R^{15}$  is H, an amino acid or polypeptide residue, or  $R^5$ , and  $R^{16}$  is defined below.

$R^{16}$  is lower alkyl or lower alkyl ( $C_1-C_6$ ) substituted with amino, carboxyl, amide, carboxyl ester, hydroxyl,  $C_6-C_7$  aryl, guanidinyll, imidazolyl, indolyl, sulfhydryl, sulfoxide, and/or alkylphosphate.  $R^{10}$  also is taken together with the amino acid  $\alpha$  N to form a proline residue ( $R^{10} = -CH_2)_3-$ ). However,  $R^{10}$  is generally the side group of a naturally-occurring amino acid such as H,  $-CH_3$ ,  $-CH(CH_3)_2$ ,  $-CH_2-CH(CH_3)_2$ ,  $-CHCH_3-CH_2-CH_3$ ,  $-CH_2-C_6H_5$ ,  $-CH_2CH_2-S-CH_3$ ,  $-CH_2OH$ ,  $-CH(OH)-CH_3$ ,  $-CH_2-SH$ ,  $-CH_2-C_6H_4OH$ ,  $-CH_2-CO-NH_2$ ,  $-CH_2-CH_2-CO-NH_2$ ,  $-CH_2-COOH$ ,  $-CH_2-CH_2-COOH$ ,  $-(CH_2)_4-NH_2$  and  $-(CH_2)_3-NH-C(NH_2)-NH_2$ .  $R_{10}$  also includes 1-guanidinoprop-3-yl, benzyl, 4-hydroxybenzyl, imidazol-4-yl, indol-3-yl, methoxyphenyl and ethoxyphenyl.

Another set of protecting groups include the residue of an amino-containing compound, in particular an amino acid, a polypeptide, a protecting group,  $-NHSO_2R$ ,  $NHC(O)R$ ,  $-N(R)_2$ ,  $NH_2$  or  $-NH(R)(H)$ , whereby for example a carboxylic acid is reacted, *i.e.* coupled, with the amine to form an amide, as in  $C(O)NR_2$ . A phosphonic acid may be reacted with the amine to form a phosphonamidate, as in  $-P(O)(OR)(NR_2)$ .

In general, amino acids have the structure  $R^{17}C(O)CH(R^{16})NH-$ , where  $R^{17}$  is  $-OH$ ,  $-OR$ , an amino acid or a polypeptide residue. Amino acids are low molecular weight compounds, on the order of less than about 1000 MW and which contain at least one amino or imino group and at least one carboxyl group. Generally the amino acids will be found in nature, *i.e.*, can be detected in biological material such as bacteria or other microbes, plants, animals or man. Suitable amino acids typically are alpha amino acids, *i.e.* compounds characterized by one amino or imino nitrogen atom

separated from the carbon atom of the carboxyl group by a single substituted or unsubstituted alpha carbon atom. Of particular interest are hydrophobic residues such as mono- or di-alkyl or aryl amino acids, cycloalkylamino acids and the like. These residues contribute to cell permeability by increasing the partition coefficient of the parental drug. Typically, the residue does not contain a sulfhydryl or guanidino substituent.

Naturally-occurring amino acid residues are those residues found naturally in plants, animals or microbes, especially proteins thereof. Polypeptides most typically will be substantially composed of such naturally-occurring amino acid residues.

These amino acids are glycine, alanine, valine, leucine, isoleucine, serine, threonine, cysteine, methionine, glutamic acid, aspartic acid, lysine, hydroxylysine, arginine, histidine, phenylalanine, tyrosine, tryptophan, proline, asparagine, glutamine and hydroxyproline. Additionally, unnatural amino acids, for example, valanine, phenylglycine and homoarginine are also included. Commonly encountered amino acids that are not gene-encoded may also be used in the present invention. All of the amino acids used in the present invention may be either the D- or L- optical isomer. In addition, other peptidomimetics are also useful in the present invention. For a general review, see Spatola, A. F., in Chemistry and Biochemistry of Amino Acids, Peptides and Proteins, B. Weinstein, eds., Marcel Dekker, New York, p. 267 (1983).

When protecting groups are single amino acid residues or polypeptides they optionally are substituted at  $R^3$  of substituents  $A^1$ ,  $A^2$  or  $A^3$  in a compound of the invention. These conjugates are produced by forming an amide bond between a carboxyl group of the amino acid (or C-terminal amino acid of a polypeptide for example). Similarly, conjugates are formed between  $R^3$  and an amino group of an amino acid or polypeptide. Generally, only one of any site in the parental molecule is amidated with an amino acid as described herein, although it is within the scope of this invention to introduce amino acids at more than one permitted site. Usually, a carboxyl group of  $R^3$  is amidated with an amino acid. In general, the  $\alpha$ -amino or  $\alpha$ -carboxyl group of the amino acid or the terminal amino or carboxyl group of a polypeptide are bonded to the parental functionalities, *i.e.*, carboxyl or amino groups in the amino acid side chains generally are not used to form the amide bonds with the parental compound (although these groups may need to be protected during synthesis of the conjugates as described further below).



with respect to the carboxyl-containing side chains of amino acids or polypeptides it will be understood that the carboxyl group optionally will be blocked, e.g., by R<sup>1</sup>, esterified with R<sup>5</sup> or amidated. Similarly, the amino side chains R<sup>16</sup> optionally will be blocked with R<sup>1</sup> or substituted with R<sup>5</sup>.

5           Such ester or amide bonds with side chain amino or carboxyl groups, like the esters or amides with the parental molecule, optionally are hydrolyzable *in vivo* or *in vitro* under acidic (pH <3) or basic (pH >10) conditions. Alternatively, they are substantially stable in the gastrointestinal tract of humans but are hydrolyzed enzymatically in blood or in intracellular environments. The esters or amino acid or  
10 polypeptide amidates also are useful as intermediates for the preparation of the parental molecule containing free amino or carboxyl groups. The free acid or base of the parental compound, for example, is readily formed from the esters or amino acid or polypeptide conjugates of this invention by conventional hydrolysis procedures.

When an amino acid residue contains one or more chiral centers, any of the D,  
15 L, meso, threo or erythro (as appropriate) racemates, scalemates or mixtures thereof may be used. In general, if the intermediates are to be hydrolyzed non-enzymatically (as would be the case where the amides are used as chemical intermediates for the free acids or free amines), D isomers are useful. On the other hand, L isomers are more versatile since they can be susceptible to both non-enzymatic and enzymatic  
20 hydrolysis, and are more efficiently transported by amino acid or dipeptidyl transport systems in the gastrointestinal tract.

Examples of suitable amino acids whose residues are represented by R<sup>x</sup> or R<sup>y</sup> include the following:

Glycine;

25           Aminopolycarboxylic acids, e.g., aspartic acid, β-hydroxyaspartic acid, glutamic acid, β-hydroxyglutamic acid, β-methylaspartic acid, β-methylglutamic acid, β, β-dimethylaspartic acid, γ-hydroxyglutamic acid, β, γ-dihydroxyglutamic acid, β-phenylglutamic acid, γ-methyleneglutamic acid, 3-aminoadipic acid, 2-aminopimelic acid, 2-aminosuberic acid and 2-aminosebacic acid;

30           Amino acid amides such as glutamine and asparagine;

Polyamino- or polybasic-monocarboxylic acids such as arginine, lysine, β-aminoalanine, γ-aminobutyric acid, ornithine, citrulline, homoarginine, homocitrulline, hydroxylysine, allohydroxylysine and diaminobutyric acid;

Other basic amino acid residues such as histidine;

Diaminodicarboxylic acids such as  $\alpha$ ,  $\alpha'$ -diaminosuccinic acid,  $\alpha$ ,  $\alpha'$ -diaminoglutaric acid,  $\alpha$ ,  $\alpha'$ -diaminoadipic acid,  $\alpha$ ,  $\alpha'$ -diaminopimelic acid,  $\alpha$ ,  $\alpha'$ -diamino- $\beta$ -hydroxypimelic acid,  $\alpha$ ,  $\alpha'$ -diaminosuberic acid,  $\alpha$ ,  $\alpha'$ -diaminoazelaic acid, and  $\alpha$ ,  $\alpha'$ -diaminosebacic acid;

Imino acids such as proline, hydroxyproline, allohydroxyproline,  $\gamma$ -methylproline, pipercolic acid, 5-hydroxypipercolic acid, and azetidine-2-carboxylic acid;

A mono- or di-alkyl (typically C<sub>1</sub>-C<sub>8</sub> branched or normal) amino acid such as alanine, valine, leucine, allylglycine, butyrine, norvaline, norleucine, heptyline,  $\alpha$ -methylserine,  $\alpha$ -amino- $\alpha$ -methyl- $\gamma$ -hydroxyvaleric acid,  $\alpha$ -amino- $\alpha$ -methyl- $\delta$ -hydroxyvaleric acid,  $\alpha$ -amino- $\alpha$ -methyl- $\epsilon$ -hydroxycaproic acid, isovaline,  $\alpha$ -methylglutamic acid,  $\alpha$ -aminoisobutyric acid,  $\alpha$ -aminodiethylacetic acid,  $\alpha$ -aminodiisopropylacetic acid,  $\alpha$ -aminodi-n-propylacetic acid,  $\alpha$ -aminodiisobutylacetic acid,  $\alpha$ -aminodi-n-butylacetic acid,  $\alpha$ -aminoethylisopropylacetic acid,  $\alpha$ -amino-n-propylacetic acid,  $\alpha$ -aminodiisoamyacetic acid,  $\alpha$ -methylaspartic acid,  $\alpha$ -methylglutamic acid, 1-aminocyclopropane-1-carboxylic acid, isoleucine, alloisoleucine, *tert*-leucine,  $\beta$ -methyltryptophan and  $\alpha$ -amino- $\beta$ -ethyl- $\beta$ -phenylpropionic acid;

$\beta$ -phenylserinyl;

Aliphatic  $\alpha$ -amino- $\beta$ -hydroxy acids such as serine,  $\beta$ -hydroxyleucine,  $\beta$ -hydroxynorleucine,  $\beta$ -hydroxynorvaline, and  $\alpha$ -amino- $\beta$ -hydroxystearic acid;

$\alpha$ -Amino,  $\alpha$ -,  $\gamma$ -,  $\delta$ - or  $\epsilon$ -hydroxy acids such as homoserine,  $\delta$ -hydroxynorvaline,  $\gamma$ -hydroxynorvaline and  $\epsilon$ -hydroxynorleucine residues; canavine and canaline;  $\gamma$ -hydroxyornithine;

2-hexosaminic acids such as D-glucosaminic acid or D-galactosaminic acid;

$\alpha$ -Amino- $\beta$ -thiols such as penicillamine,  $\beta$ -thiolnorvaline or  $\beta$ -thiolbutyrine;

Other sulfur containing amino acid residues including cysteine; homocystine,  $\beta$ -phenylmethionine, methionine, S-allyl-L-cysteine sulfoxide, 2-thiolhistidine, cystathionine, and thiol ethers of cysteine or homocystine;

Phenylalanine, tryptophan and ring-substituted  $\alpha$ -amino acids such as the phenyl- or cyclohexylamino acids  $\alpha$ -aminophenylacetic acid,  $\alpha$ -aminocyclohexylacetic acid and  $\alpha$ -amino- $\beta$ -cyclohexylpropionic acid; phenylalanine

analogues and derivatives comprising  $\alpha$ , lower alkyl, hydroxy, guanidino, oxyalkylether, nitro, sulfur or halo-substituted phenyl (*e.g.*, tyrosine, methyltyrosine and *o*-chloro-, *p*-chloro-, 3,4-dichloro, *o*-, *m*- or *p*-methyl-, 2,4,6-trimethyl-, 2-ethoxy-5-nitro-, 2-hydroxy-5-nitro- and *p*-nitro-phenylalanine); furyl-, thienyl-, pyridyl-, pyrimidinyl-, purinyl- or naphthyl-alanines; and tryptophan analogues and derivatives including kynurenine, 3-hydroxykynurenine, 2-hydroxytryptophan and 4-carboxytryptophan;

$\alpha$ -Amino substituted amino acids including sarcosine (N-methylglycine), N-benzylglycine, N-methylalanine, N-benzylalanine, N-methylphenylalanine, N-benzylphenylalanine, N-methylvaline and N-benzylvaline; and

$\alpha$ -Hydroxy and substituted  $\alpha$ -hydroxy amino acids including serine, threonine, allothreonine, phosphoserine and phosphothreonine.

Polypeptides are polymers of amino acids in which a carboxyl group of one amino acid monomer is bonded to an amino or imino group of the next amino acid monomer by an amide bond. Polypeptides include dipeptides, low molecular weight polypeptides (about 1500-5000 MW) and proteins. Proteins optionally contain 3, 5, 10, 50, 75, 100 or more residues, and suitably are substantially sequence-homologous with human, animal, plant or microbial proteins. They include enzymes (*e.g.*, hydrogen peroxidase) as well as immunogens such as KLH, or antibodies or proteins of any type against which one wishes to raise an immune response. The nature and identity of the polypeptide may vary widely.

The polypeptide amidates are useful as immunogens in raising antibodies against either the polypeptide (if it is not immunogenic in the animal to which it is administered) or against the epitopes on the remainder of the compound of this invention.

Antibodies capable of binding to the parental non-peptidyl compound are used to separate the parental compound from mixtures, for example in diagnosis or manufacturing of the parental compound. The conjugates of parental compound and polypeptide generally are more immunogenic than the polypeptides in closely homologous animals, and therefore make the polypeptide more immunogenic for facilitating raising antibodies against it. Accordingly, the polypeptide or protein may not need to be immunogenic in an animal typically used to raise antibodies, *e.g.*, rabbit, mouse, horse, or rat, but the final product conjugate should be immunogenic in

at least one of such animals. The polypeptide optionally contains a peptidolytic enzyme cleavage site at the peptide bond between the first and second residues adjacent to the acidic heteroatom. Such cleavage sites are flanked by enzymatic recognition structures, *e.g.*, a particular sequence of residues recognized by a peptidolytic enzyme.

Peptidolytic enzymes for cleaving the polypeptide conjugates of this invention are well known, and in particular include carboxypeptidases. Carboxypeptidases digest polypeptides by removing C-terminal residues, and are specific in many instances for particular C-terminal sequences. Such enzymes and their substrate requirements in general are well known. For example, a dipeptide (having a given pair of residues and a free carboxyl terminus) is covalently bonded through its  $\alpha$ -amino group to the phosphorus or carbon atoms of the compounds herein. In embodiments where W<sub>1</sub> is phosphonate it is expected that this peptide will be cleaved by the appropriate peptidolytic enzyme, leaving the carboxyl of the proximal amino acid residue to autocatalytically cleave the phosphonoamidate bond.

Suitable dipeptidyl groups (designated by their single letter code) are AA, AR, AN, AD, AC, AE, AQ, AG, AH, AI, AL, AK, AM, AF, AP, AS, AT, AW, AY, AV, RA, RR, RN, RD, RC, RE, RQ, RG, RH, RI, RL, RK, RM, RF, RP, RS, RT, RW, RY, RV, NA, NR, NN, ND, NC, NE, NQ, NG, NH, NI, NL, NK, NM, NF, NP, NS, NT, NW, NY, NV, DA, DR, DN, DD, DC, DE, DQ, DG, DH, DI, DL, DK, DM, DF, DP, DS, DT, DW, DY, DV, CA, CR, CN, CD, CC, CE, CQ, CG, CH, CI, CL, CK, CM, CF, CP, CS, CT, CW, CY, CV, EA, ER, EN, ED, EC, EE, EQ, EG, EH, EI, EL, EK, EM, EF, EP, ES, ET, EW, EY, EV, QA, QR, QN, QD, QC, QE, QQ, QG, QH, QI, QL, QK, QM, QF, QP, QS, QT, QW, QY, QV, GA, GR, GN, GD, GC, GE, GQ, GG, GH, GI, GL, GK, GM, GF, GP, GS, GT, GW, GY, GV, HA, HR, HN, HD, HC, HE, HQ, HG, HH, HI, HL, HK, HM, HF, HP, HS, HT, HW, HY, HV, IA, IR, IN, ID, IC, IE, IQ, IG, IH, II, IL, IK, IM, IF, IP, IS, IT, IW, IY, IV, LA, LR, LN, LD, LC, LE, LQ, LG, LH, LI, LL, LK, LM, LF, LP, LS, LT, LW, LY, LV, KA, KR, KN, KD, KC, KE, KQ, KG, KH, KI, KL, KK, KM, KF, KP, KS, KT, KW, KY, KV, MA, MR, MN, MD, MC, ME, MQ, MG, MH, MI, ML, MK, MM, MF, MP, MS, MT, MW, MY, MV, FA, FR, FN, FD, FC, FE, FQ, FG, FH, FI, FL, FK, FM, FF, FP, FS, FT, FW, FY, FV, PA, PR, PN, PD, PC, PE, PQ, PG, PH, PI, PL, PK, PM, PF, PP, PS, PT, PW, PY, PV, SA, SR, SN, SD, SC, SE, SQ, SG, SH, SI, SL, SK, SM, SF, SP, SS, ST, SW,

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TH, TI, TL, TK, TM, TF, TP, TS, TT, TW, TY, TV, WA, WR, WN, WD, WC, WE, WQ, WG, WH, WI, WL, WK, WM, WF, WP, WS, WT, WW, WY, WV, YA, YR, YN, YD, YC, YE, YQ, YG, YH, YI, YL, YK, YM, YF, YP, YS, YT, YW, YY, YV, VA, VR, VN, VD, VC, VE, VQ, VG, VH, VI, VL, VK, VM, VF, VP, VS, VT, VW, VY and VV.

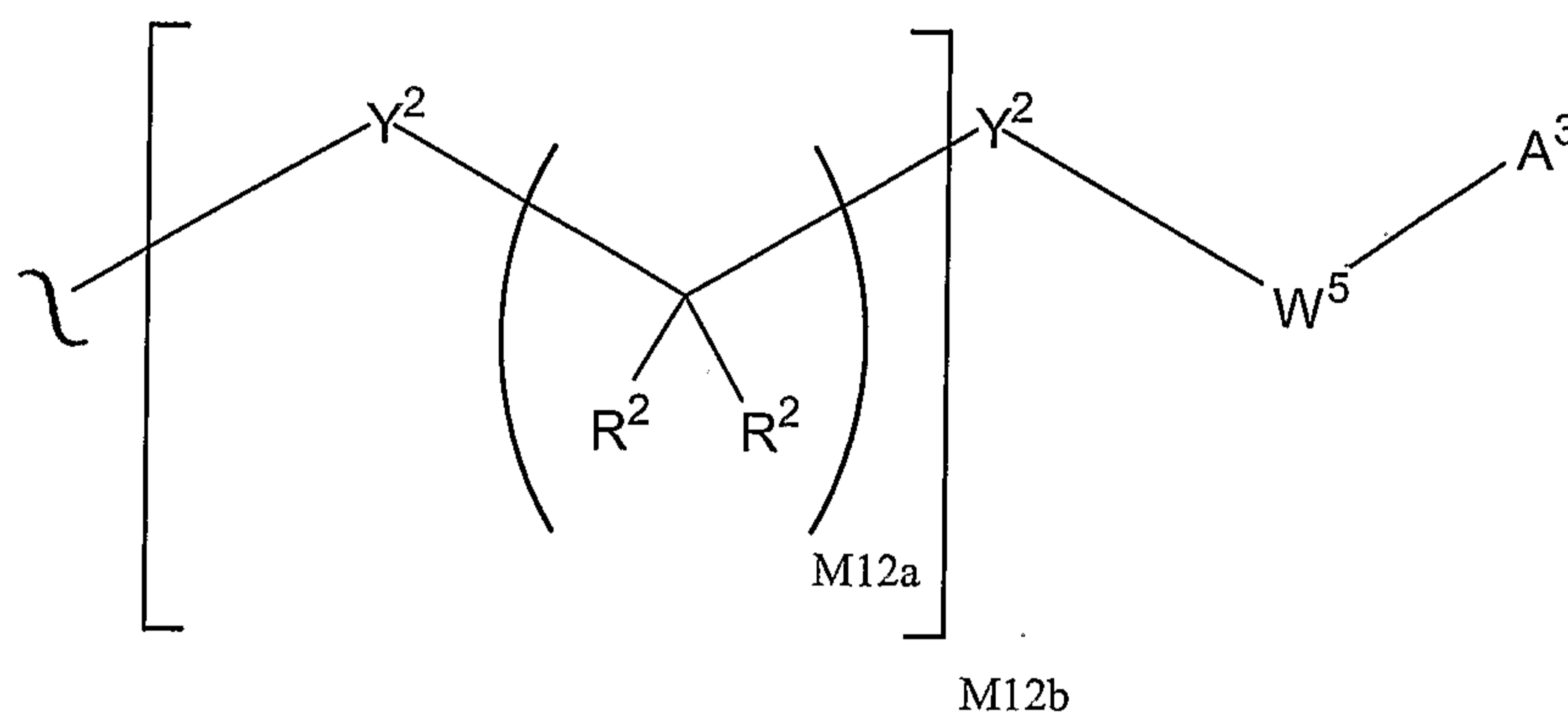
Tripeptide residues are also useful as protecting groups. When a phosphonate is to be protected, the sequence  $-X^4\text{-pro-}X^5$  (where  $X^4$  is any amino acid residue and  $X^5$  is an amino acid residue, a carboxyl ester of proline, or hydrogen) will be cleaved by luminal carboxypeptidase to yield  $X^4$  with a free carboxyl, which in turn is expected to autocatalytically cleave the phosphonoamidate bond. The carboxy group of  $X^5$  optionally is esterified with benzyl.

Dipeptide or tripeptide species can be selected on the basis of known transport properties and/or susceptibility to peptidases that can affect transport to intestinal mucosal or other cell types. Dipeptides and tripeptides lacking an  $\alpha$ -amino group are transport substrates for the peptide transporter found in brush border membrane of intestinal mucosal cells (Bai, J.P.F., (1992) *Pharm Res.* 9:969-978). Transport competent peptides can thus be used to enhance bioavailability of the amidate compounds. Di- or tripeptides having one or more amino acids in the D configuration are also compatible with peptide transport and can be utilized in the amidate compounds of this invention. Amino acids in the D configuration can be used to reduce the susceptibility of a di- or tripeptide to hydrolysis by proteases common to the brush border such as aminopeptidase N. In addition, di- or tripeptides alternatively are selected on the basis of their relative resistance to hydrolysis by proteases found in the lumen of the intestine. For example, tripeptides or polypeptides lacking asp and/or glu are poor substrates for aminopeptidase A, di- or tripeptides lacking amino acid residues on the N-terminal side of hydrophobic amino acids (leu, tyr, phe, val, trp) are poor substrates for endopeptidase, and peptides lacking a pro residue at the penultimate position at a free carboxyl terminus are poor substrates for carboxypeptidase P. Similar considerations can also be applied to the selection of peptides that are either relatively resistant or relatively susceptible to hydrolysis by cytosolic, renal, hepatic, serum or other peptidases. Such poorly cleaved polypeptide amidates are immunogens or are useful for bonding to proteins in order to prepare immunogens.

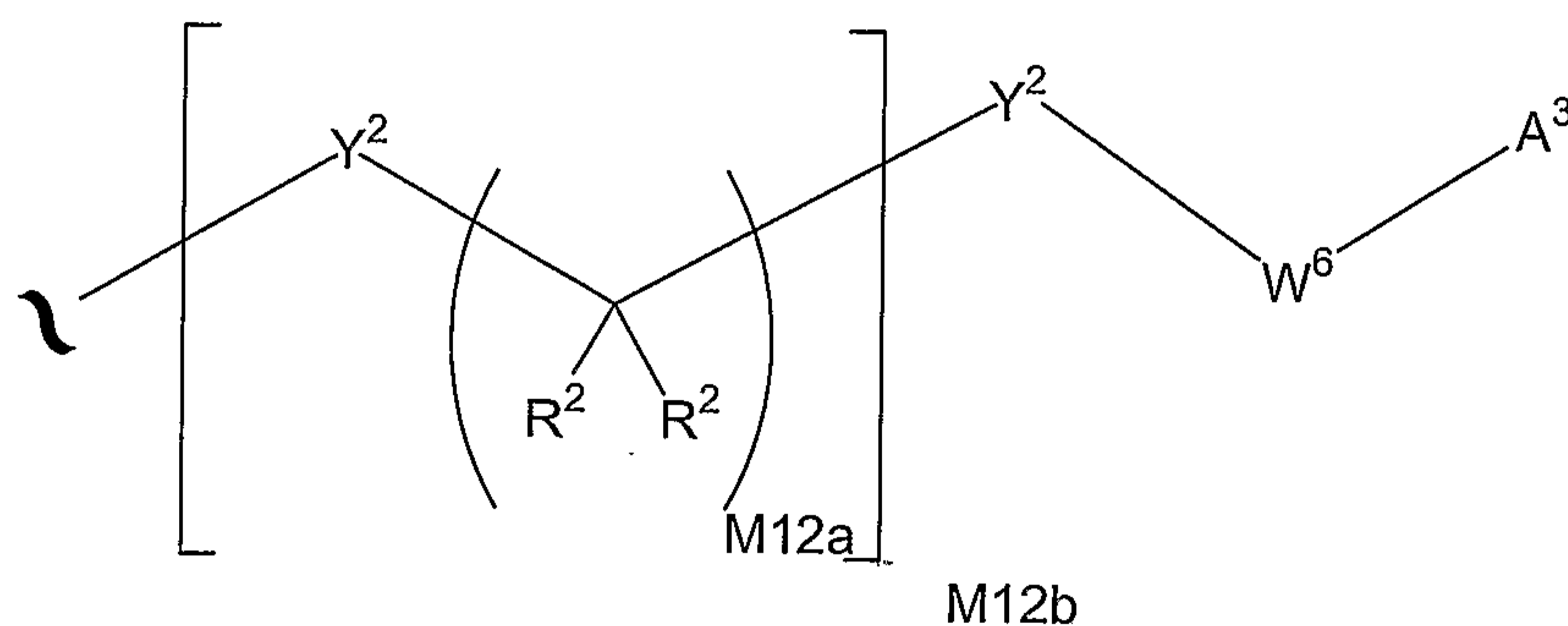
Specific Embodiments of the Invention

Specific values described for radicals, substituents, and ranges, as well as specific embodiments of the invention described herein, are for illustration only; they do not exclude other defined values or other values within defined ranges.

In one specific embodiment of the invention  $A^1$  is of the formula:

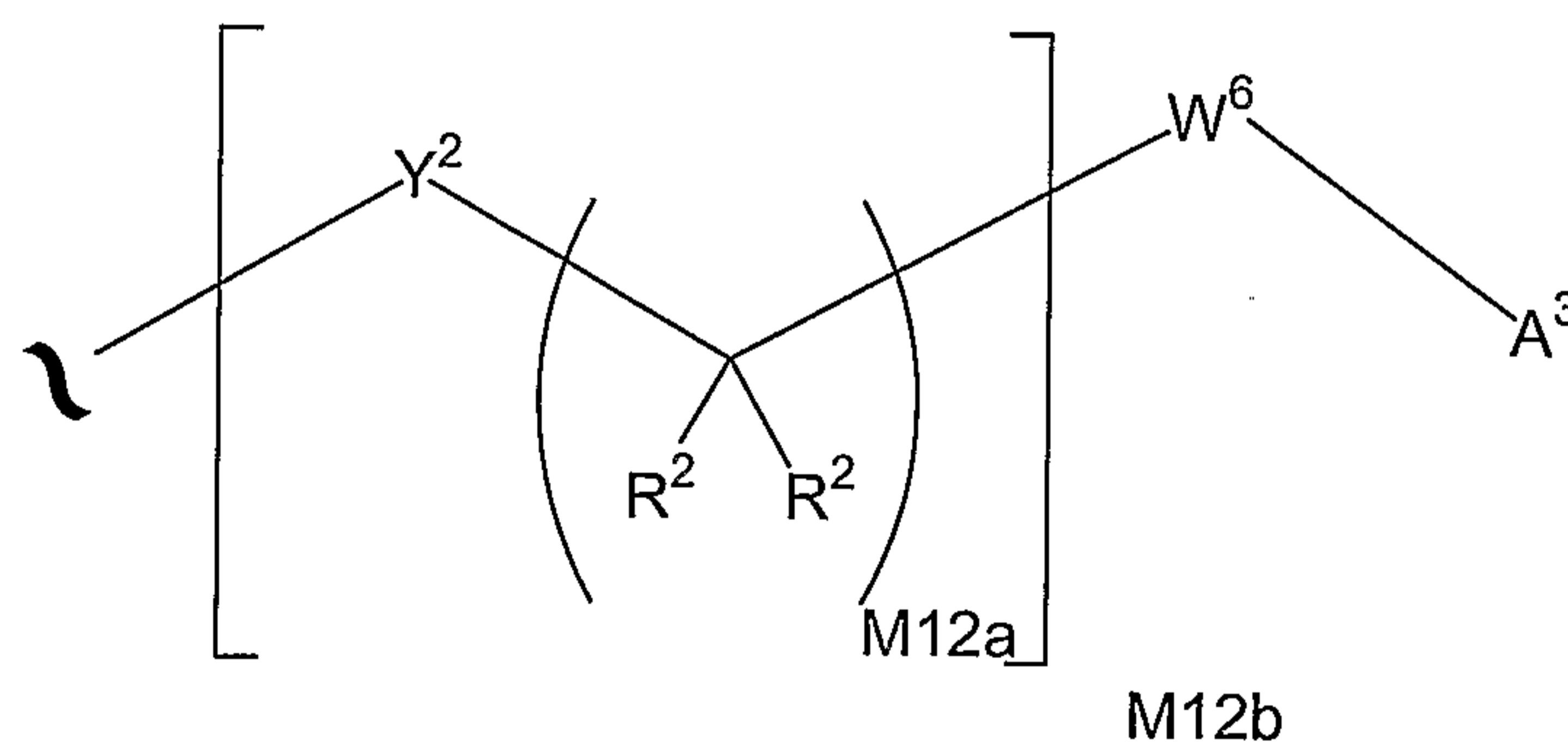


In another specific embodiment of the invention  $A^1$  is of the formula:



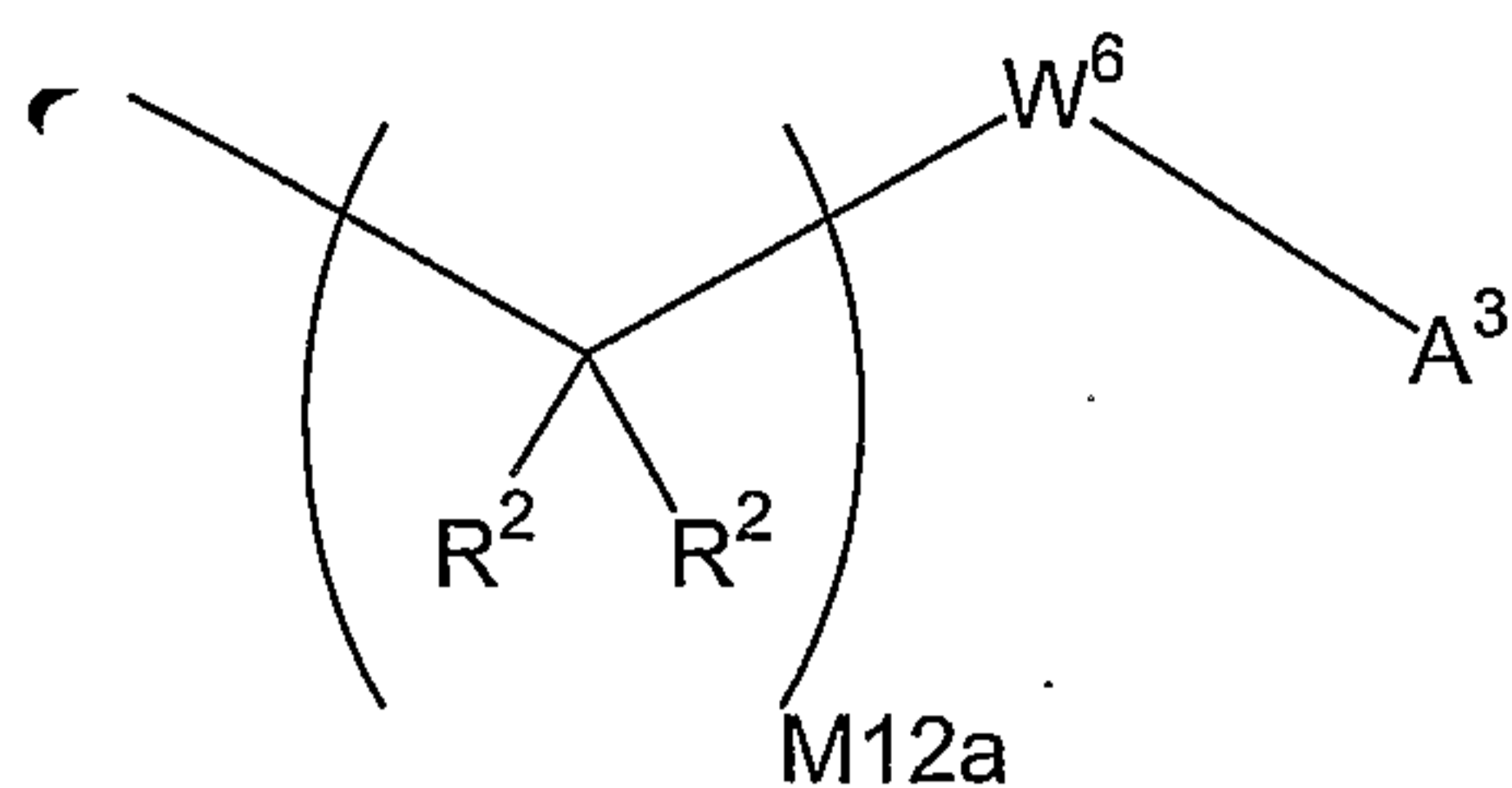
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In another specific embodiment of the invention  $A^1$  is of the formula:

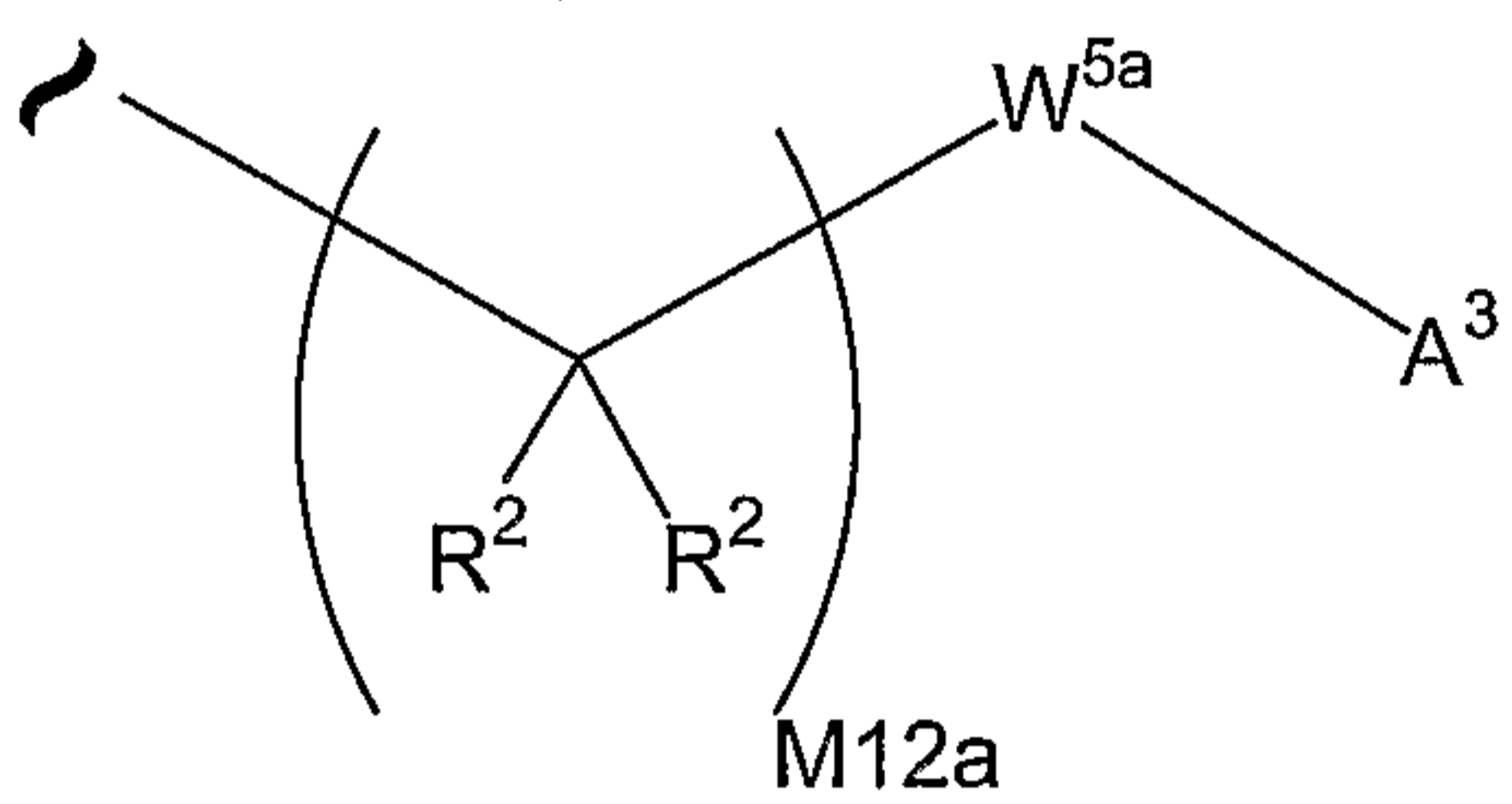


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In another specific embodiment of the invention  $A^1$  is of the formula:



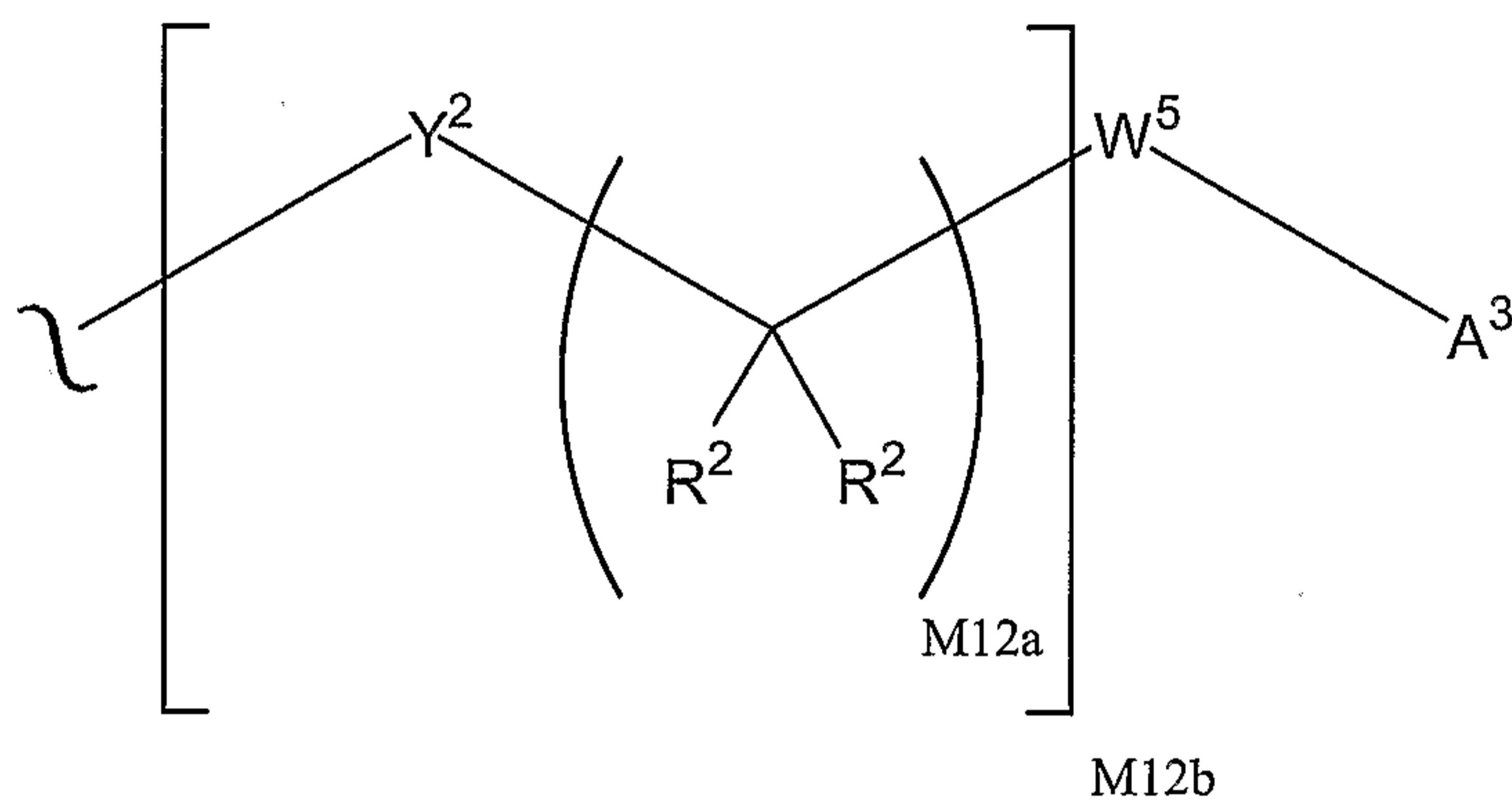
In another specific embodiment of the invention  $A^1$  is of the formula:



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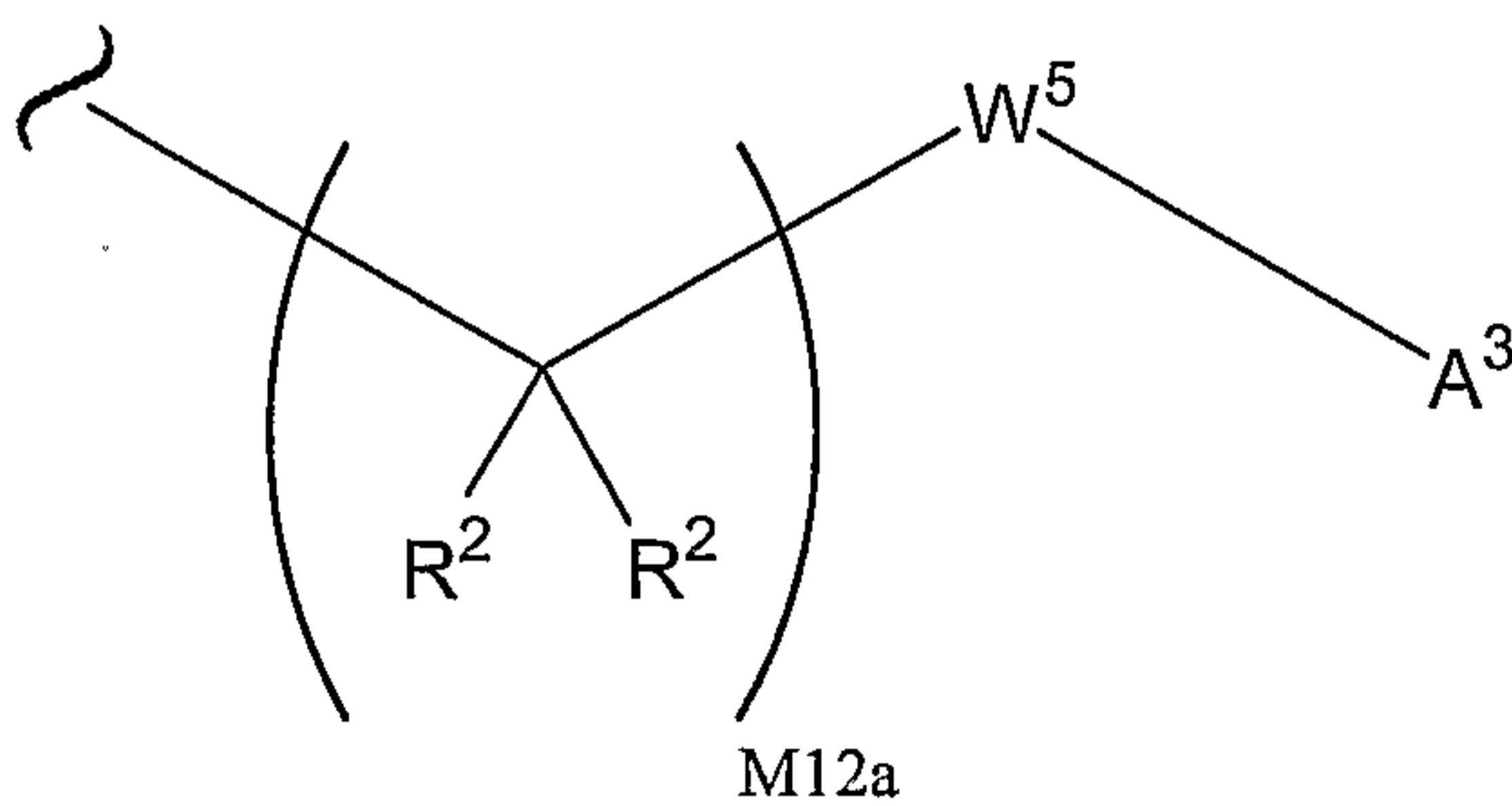
and  $W^{5a}$  is a carbocycle or a heterocycle where  $W^{5a}$  is independently substituted with 0 or 1  $R^2$  groups. A specific value for M12a is 1.

In another specific embodiment of the invention  $A^1$  is of the formula:



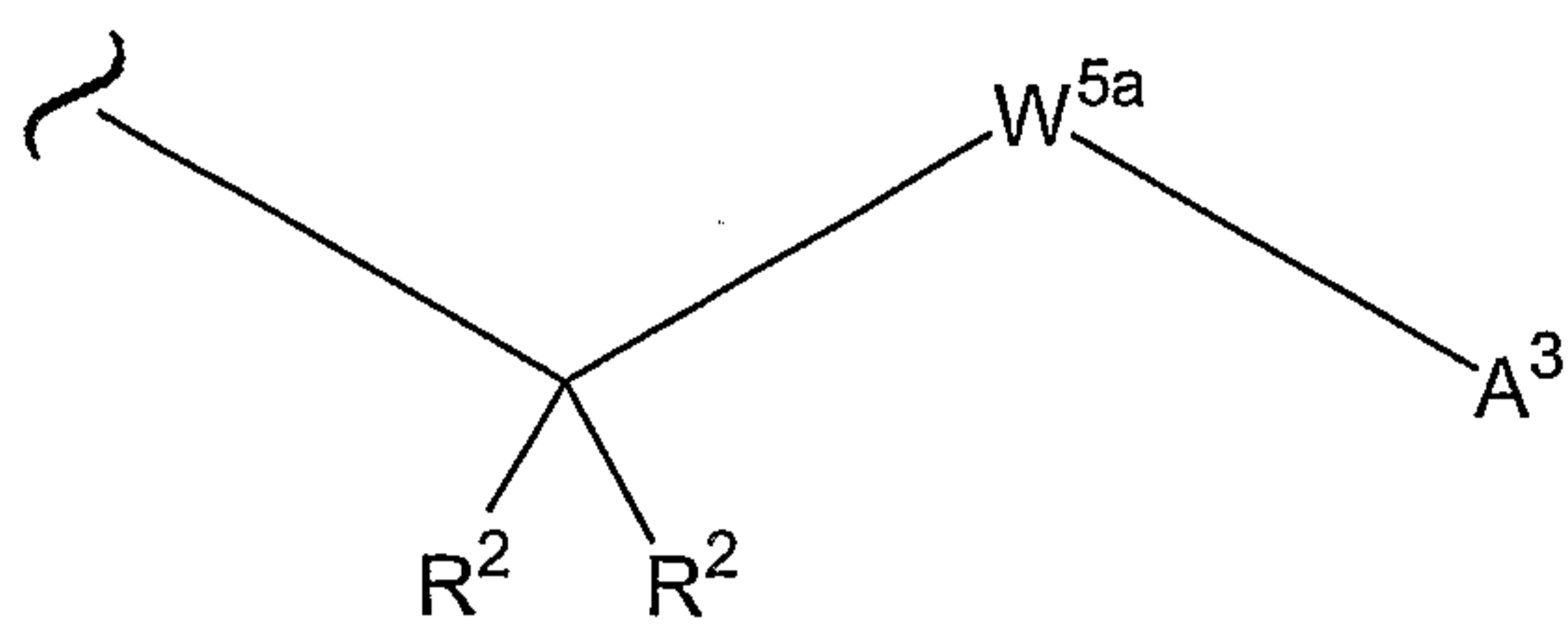
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In another specific embodiment of the invention  $A^1$  is of the formula:



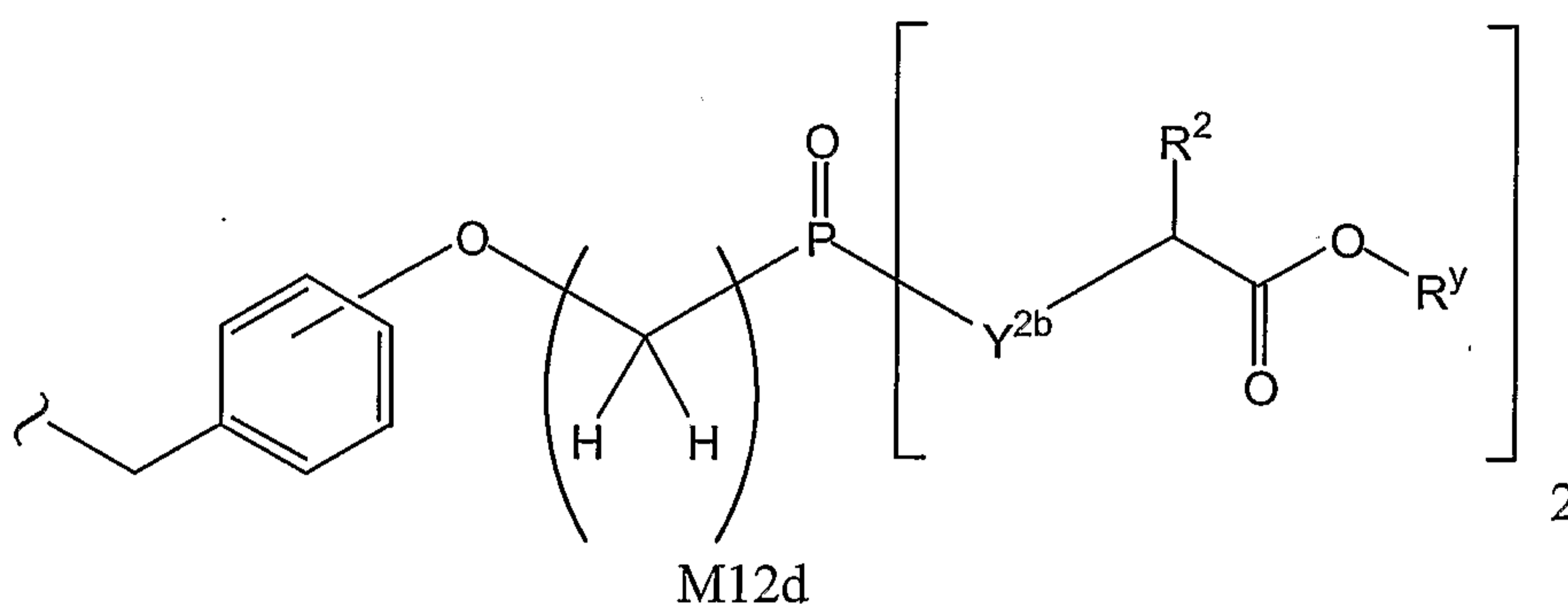
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in another specific embodiment of the invention A<sup>1</sup> is of the formula:



wherein W<sup>5a</sup> is a carbocycle independently substituted with 0 or 1 R<sup>2</sup> groups;

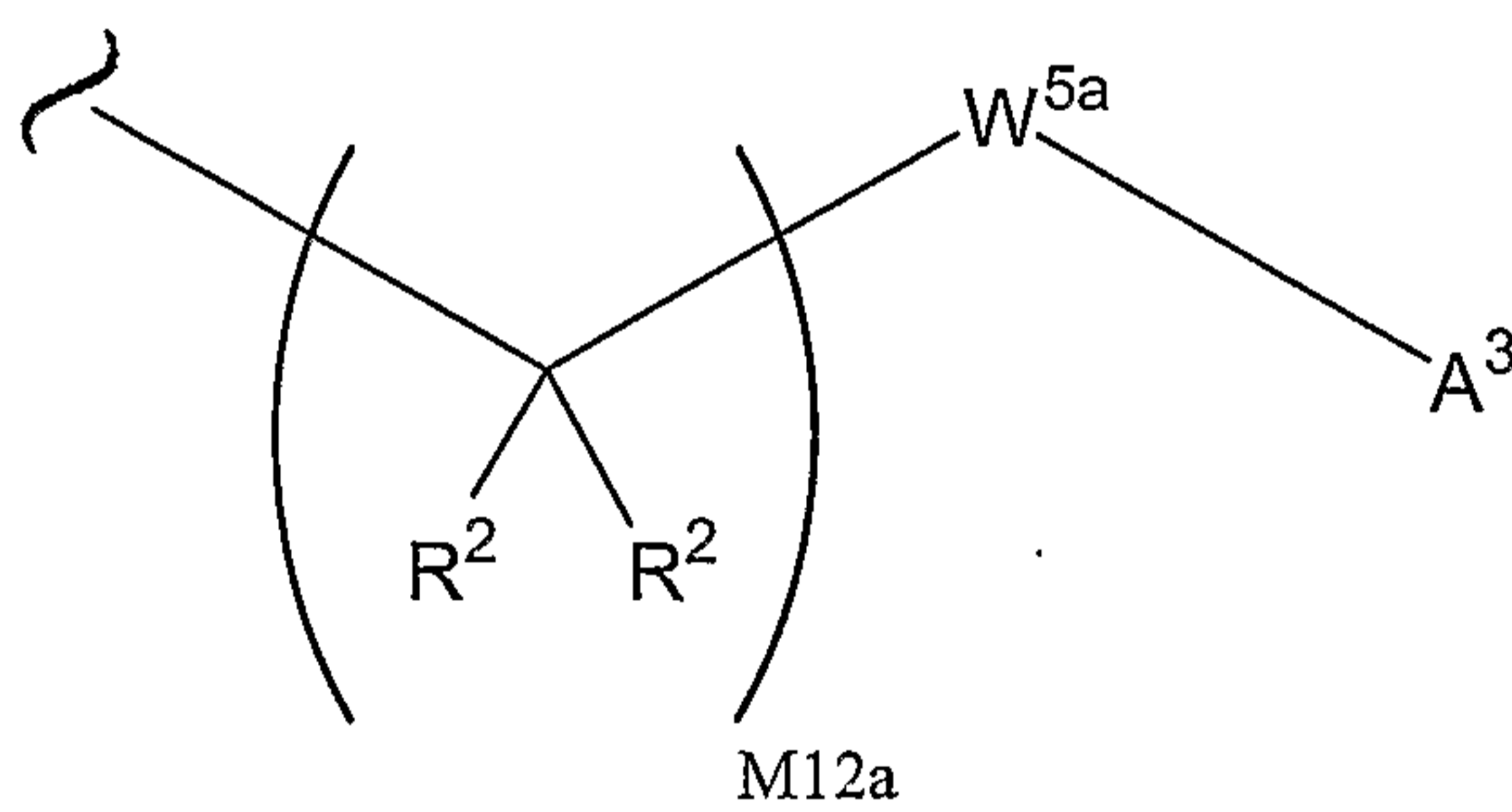
5 In another specific embodiment of the invention A<sup>1</sup> is of the formula:



wherein Y<sup>2b</sup> is O or N(R<sup>2</sup>); and M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

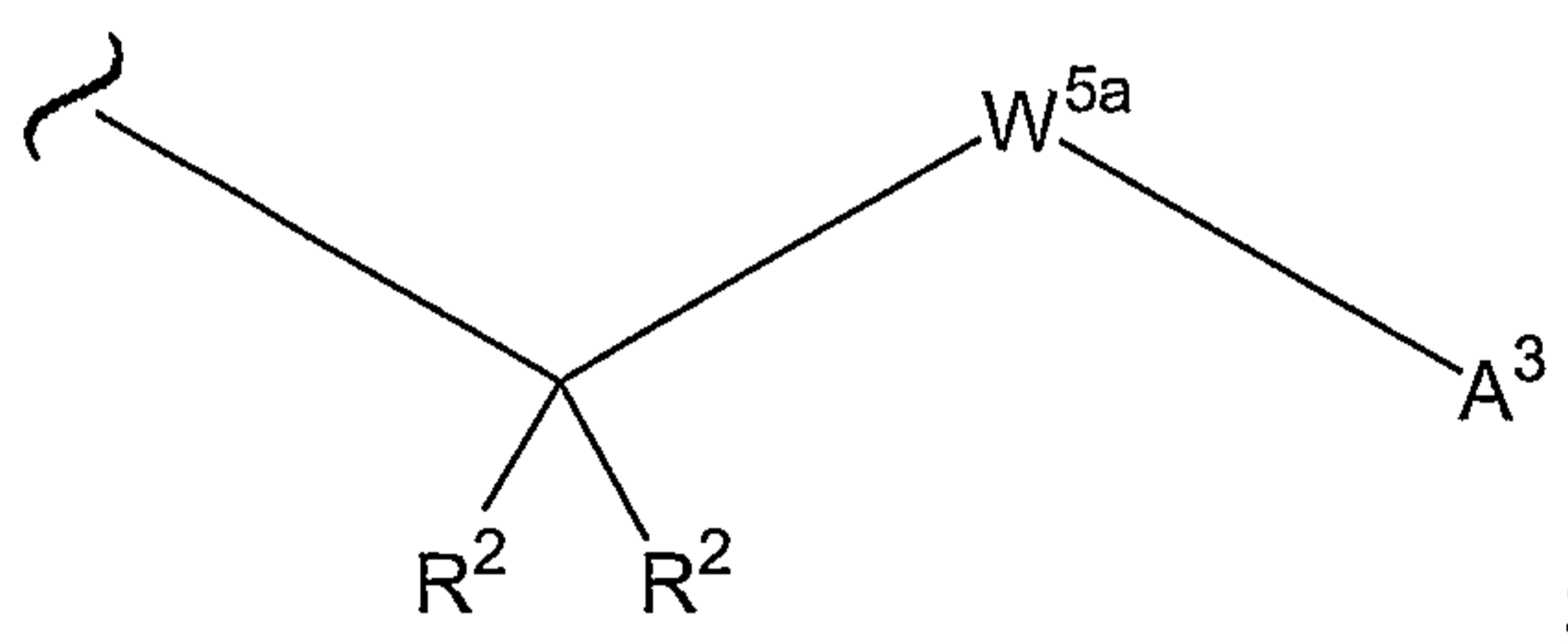
In another specific embodiment of the invention A<sup>1</sup> is of the formula:

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wherein W<sup>5a</sup> is a carbocycle independently substituted with 0 or 1 R<sup>2</sup> groups;

In another specific embodiment of the invention A<sup>1</sup> is of the formula:

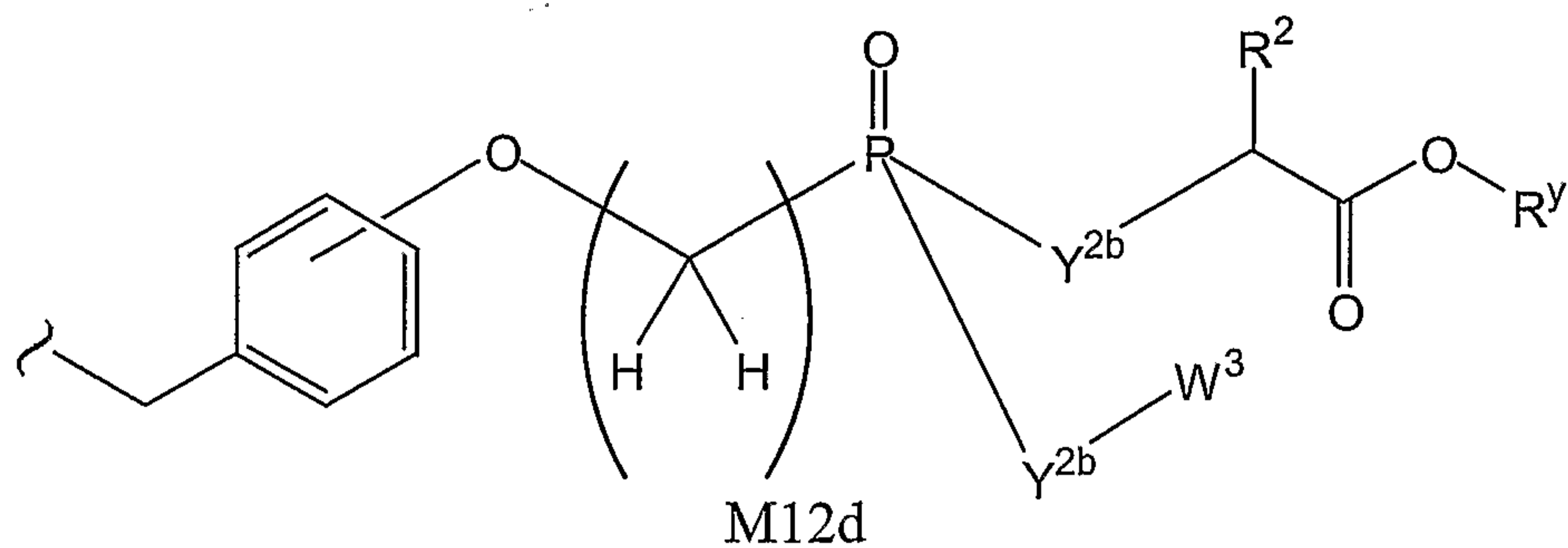


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wherein  $W^{5a}$  is a carbonyl or sulfonyl group where  $W^{5a}$  is independently substituted with 0 or 1  $R^2$  groups.

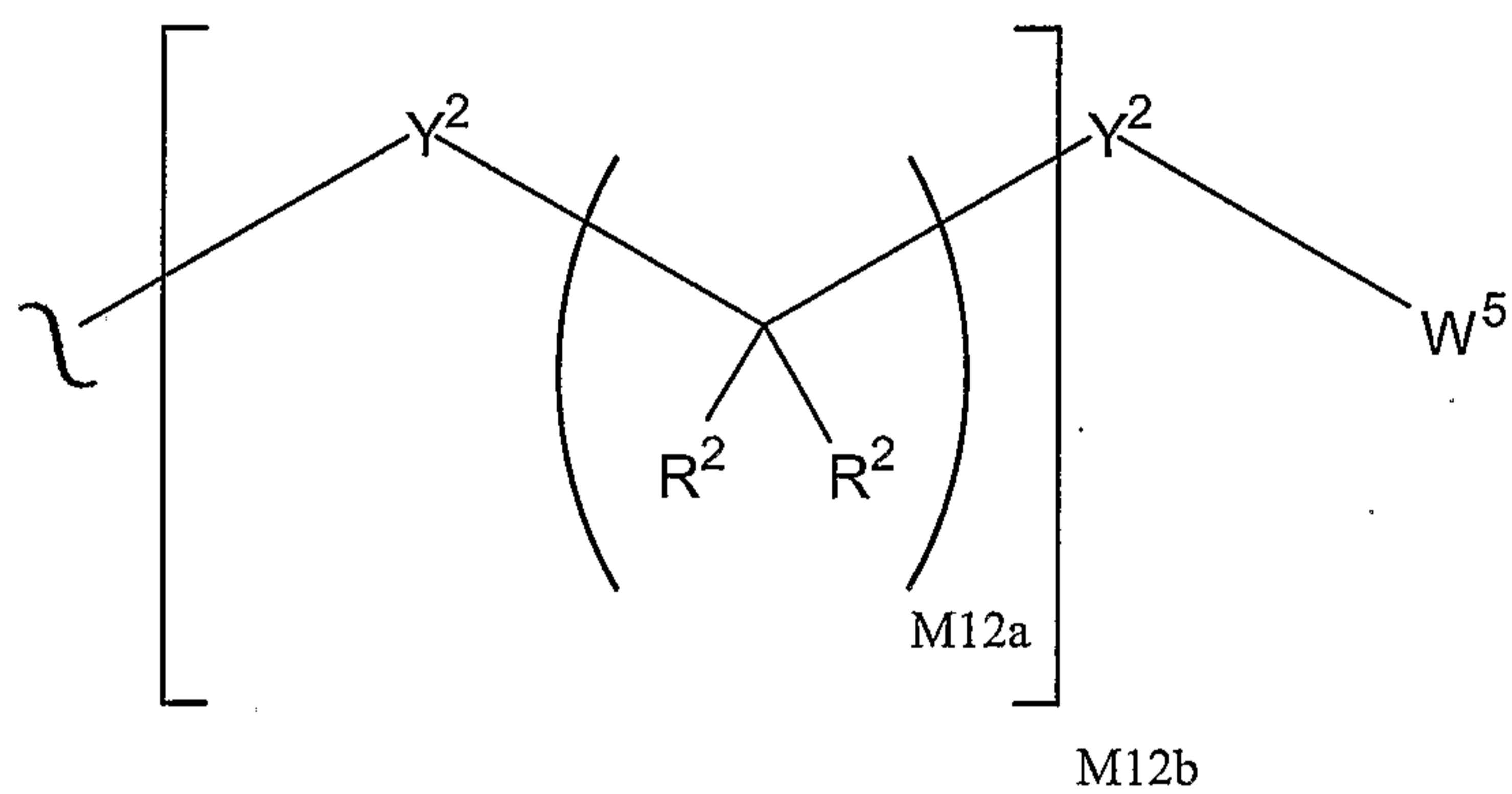
In another specific embodiment of the invention  $A^1$  is of the formula:



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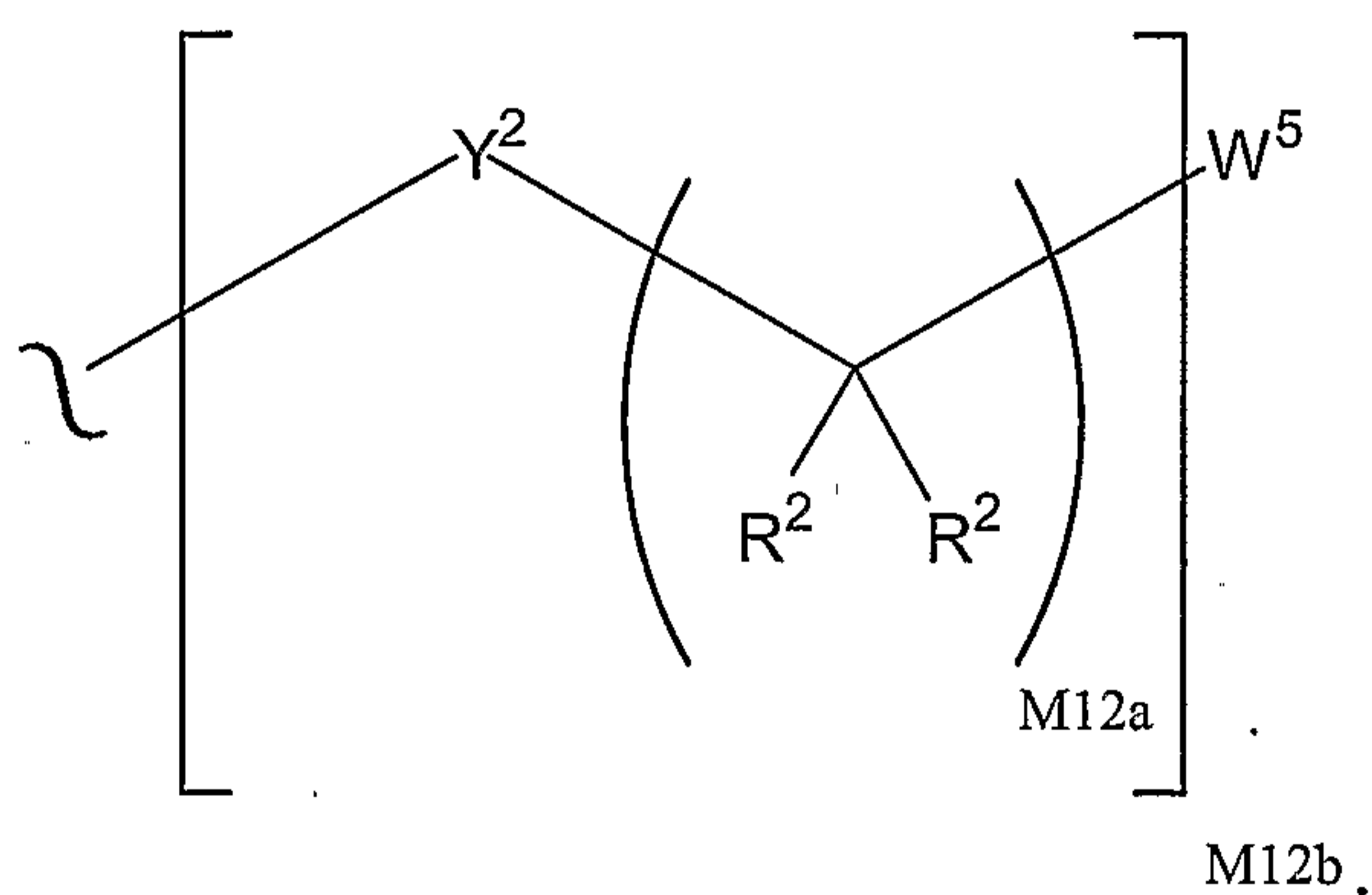
wherein  $Y^{2b}$  is O or  $N(R^2)$ ; and  $M12d$  is 1, 2, 3, 4, 5, 6, 7 or 8.

In a specific embodiment of the invention  $A^2$  is of the formula:



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In another specific embodiment of the invention  $A^2$  is of the formula:

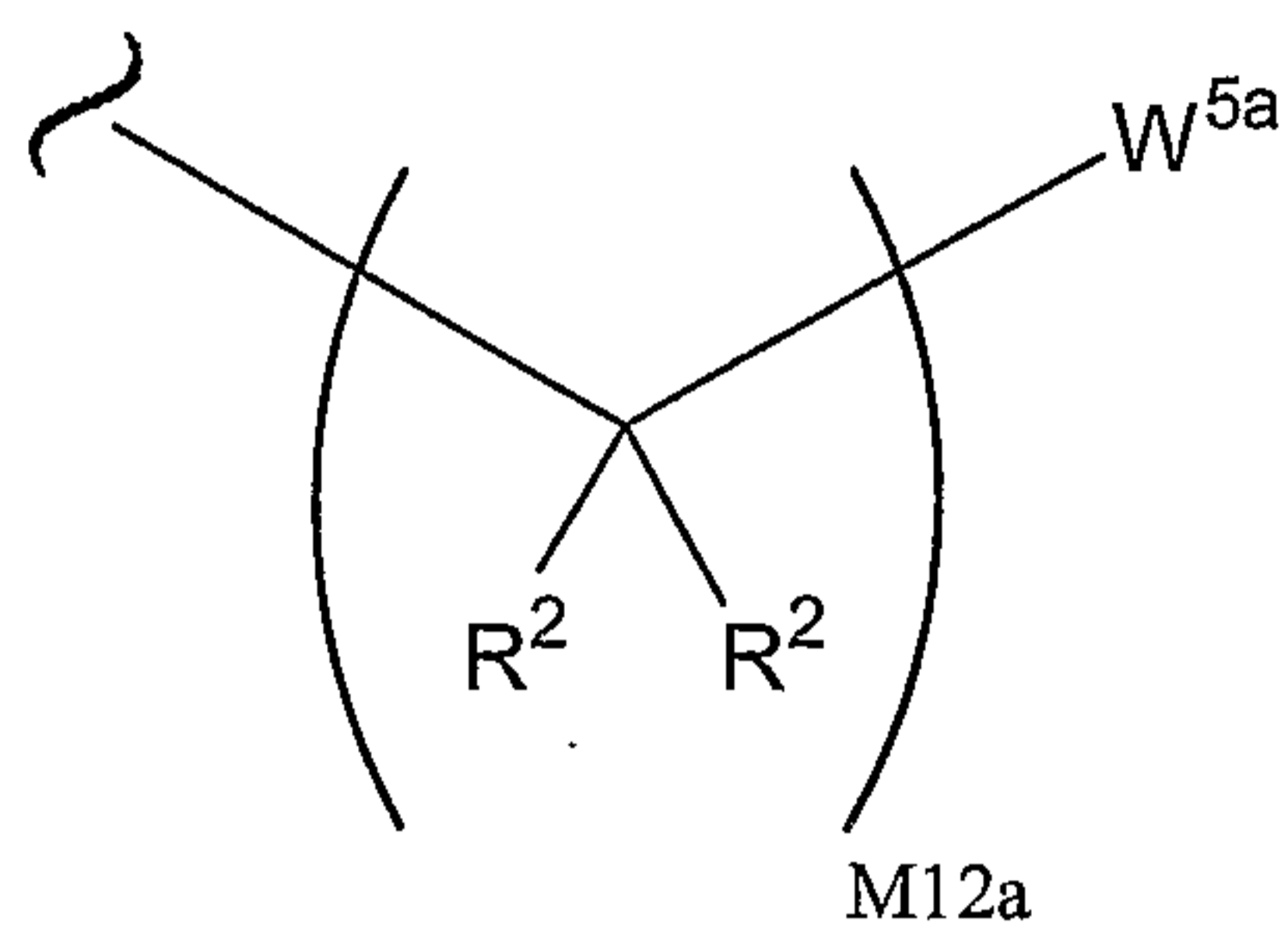


In another specific embodiment of the invention  $M12b$  is 1.

In another specific embodiment of the invention M12b is 0, Y<sup>2</sup> is a bond and W<sup>5</sup> is a carbocycle or heterocycle where W<sup>5</sup> is optionally and independently substituted with 1, 2, or 3 R<sup>2</sup> groups.

In another specific embodiment of the invention A<sup>2</sup> is of the formula:

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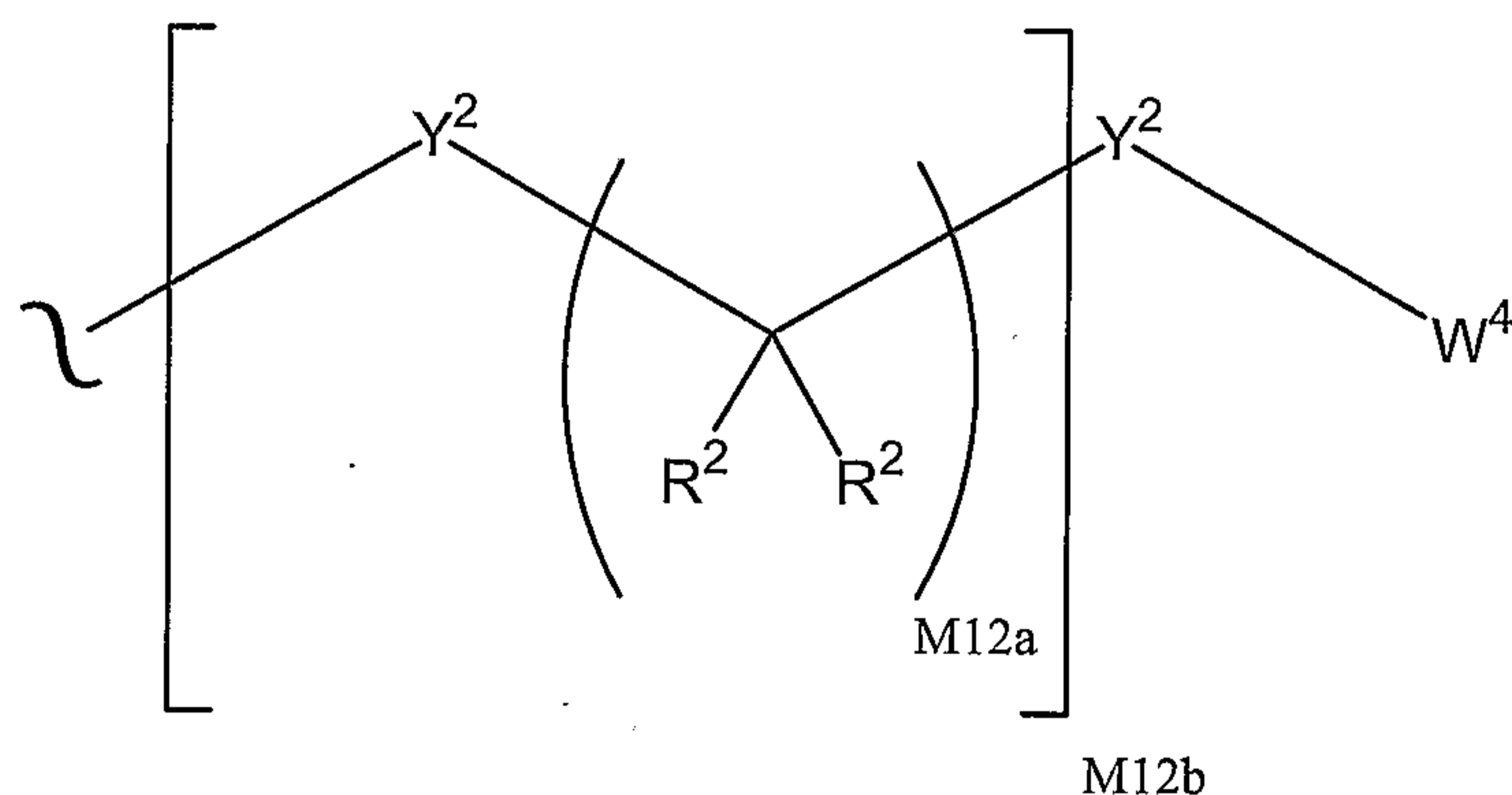
wherein W<sup>5a</sup> is a carbocycle or heterocycle where W<sup>5a</sup> is optionally and independently substituted with 1, 2, or 3 R<sup>2</sup> groups.

In another specific embodiment of the invention M12a is 1.

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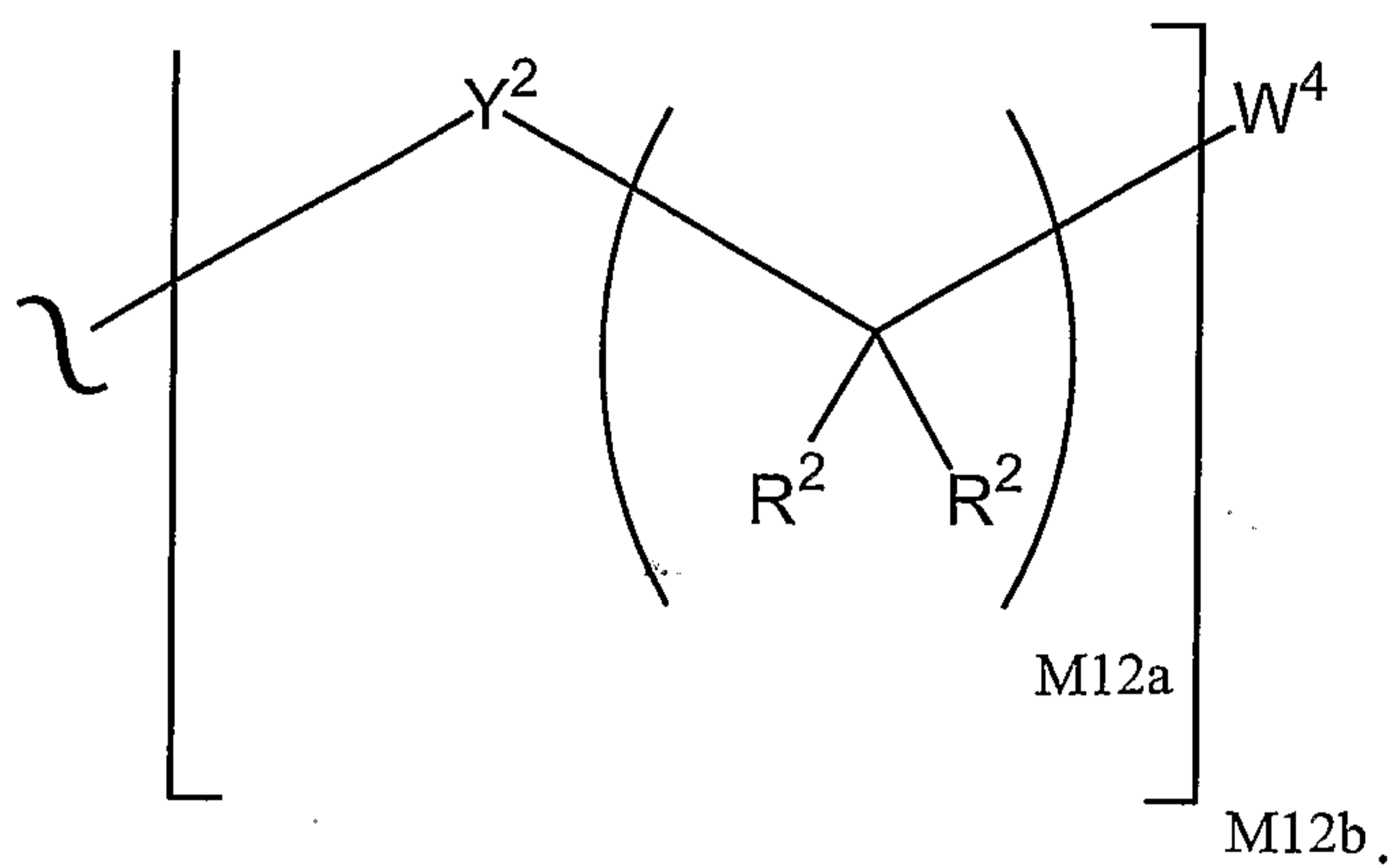
In another specific embodiment of the invention A<sup>2</sup> is selected from phenyl, substituted phenyl, benzyl, substituted benzyl, pyridyl and substituted pyridyl.

In another specific embodiment of the invention A<sup>2</sup> is of the formula:



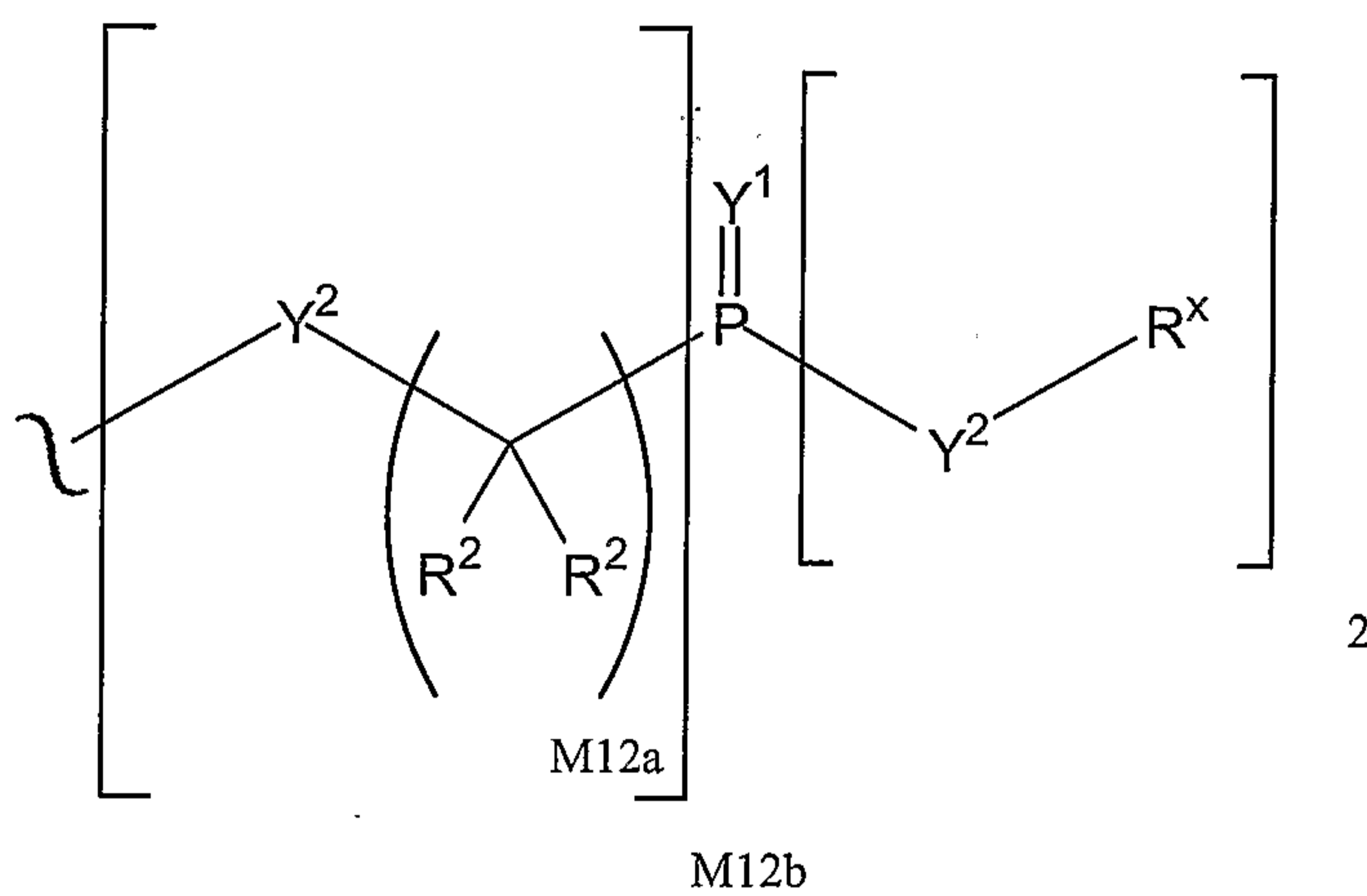
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In another specific embodiment of the invention A<sup>2</sup> is of the formula:



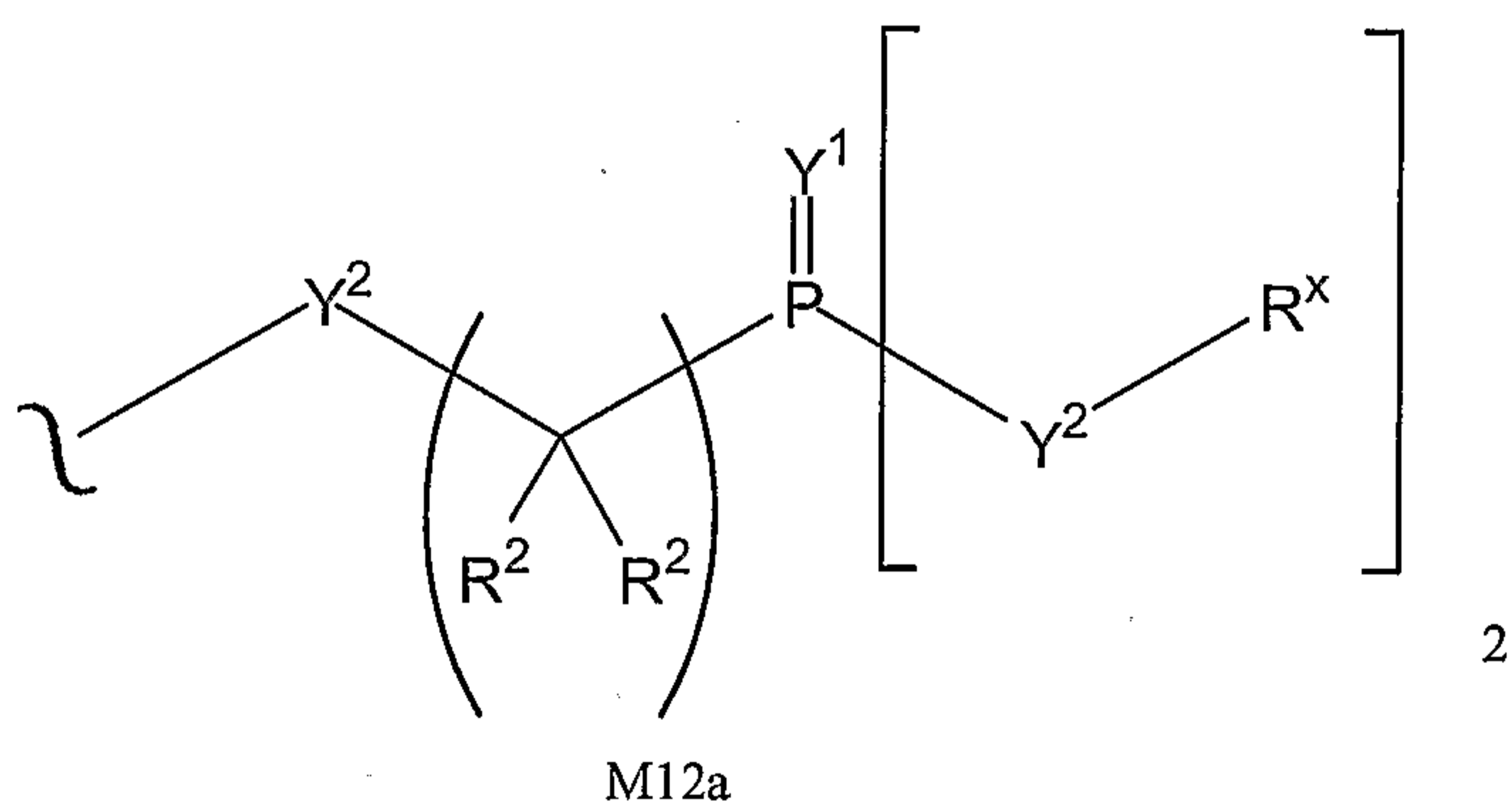
In another specific embodiment of the invention M12b is 1.

In a specific embodiment of the invention A<sup>3</sup> is of the formula:



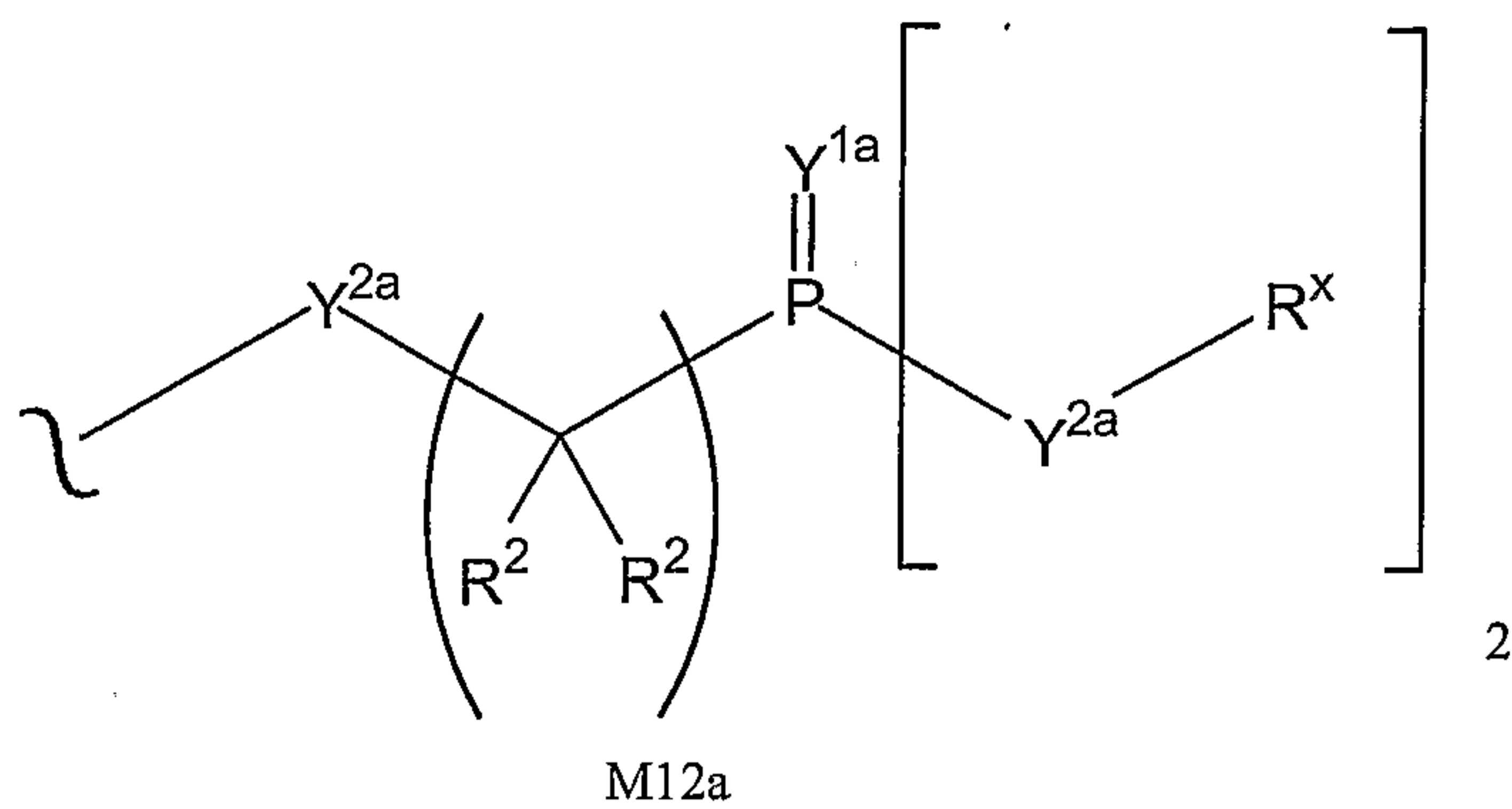
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In another specific embodiment of the invention A<sup>3</sup> is of the formula:



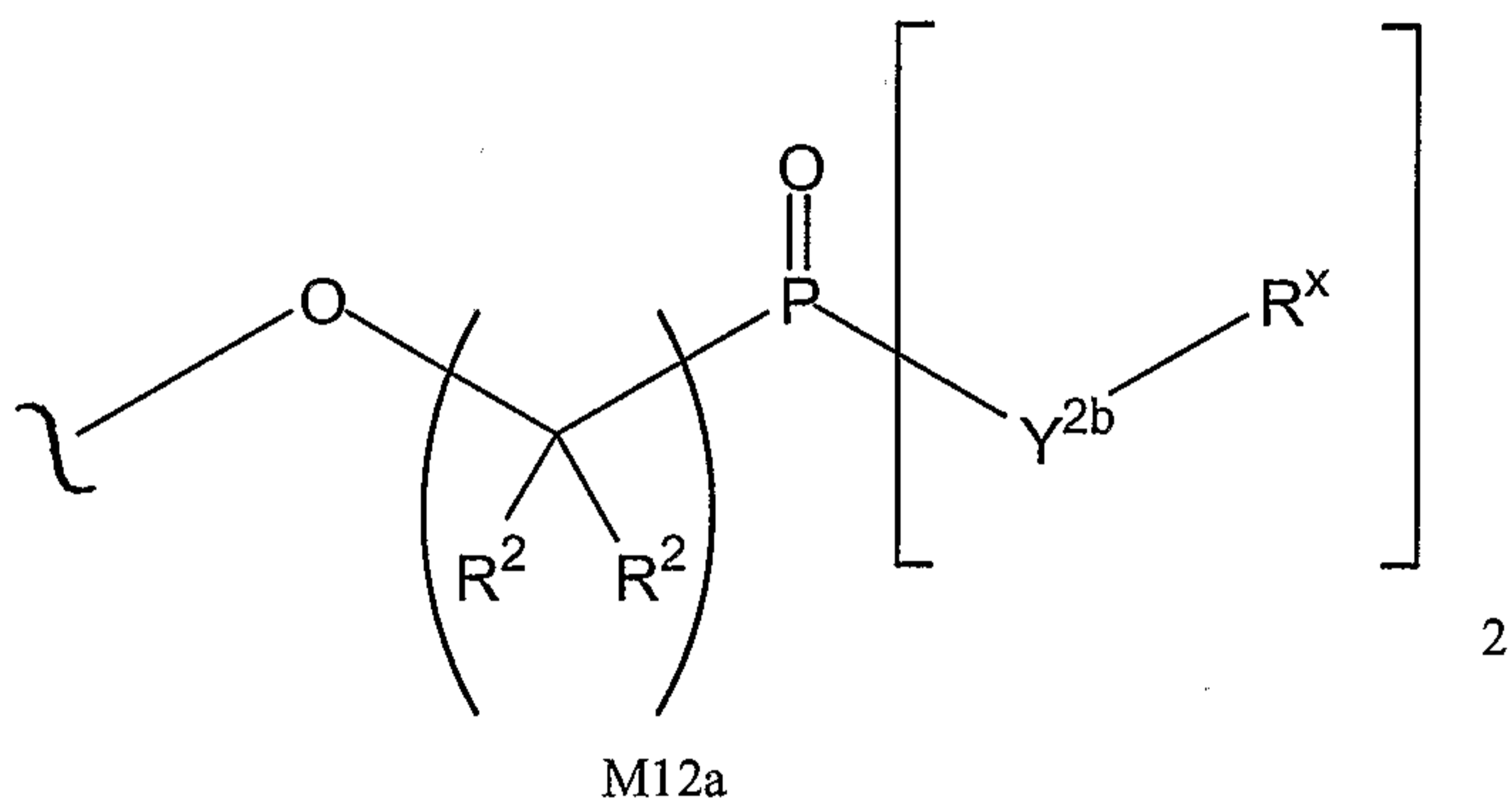
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In another specific embodiment of the invention A<sup>3</sup> is of the formula:



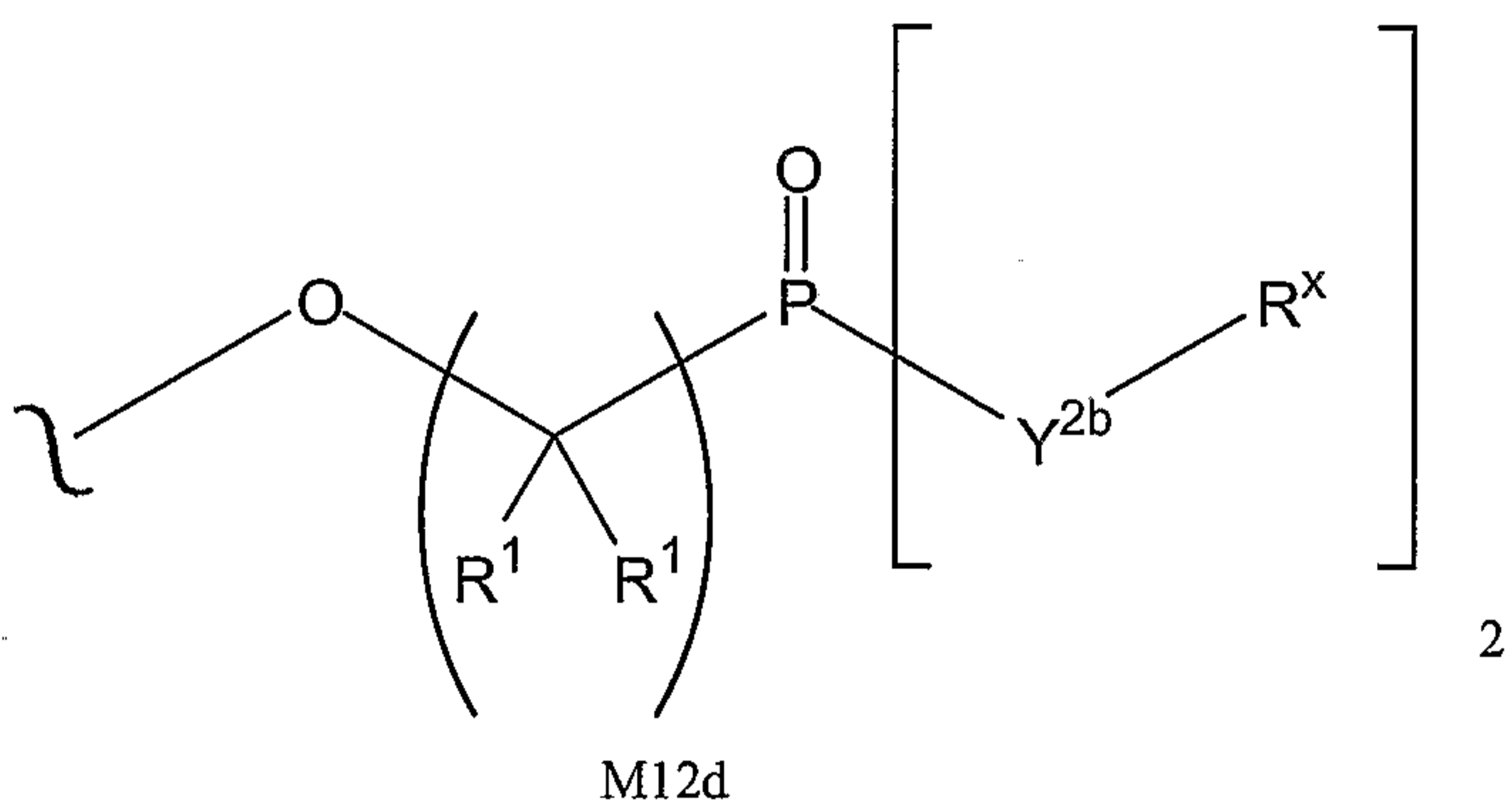
wherein  $Y^{1a}$  is O or S; and  $Y^{2a}$  is O,  $N(R^x)$  or S.

In another specific embodiment of the invention  $A^3$  is of the formula:



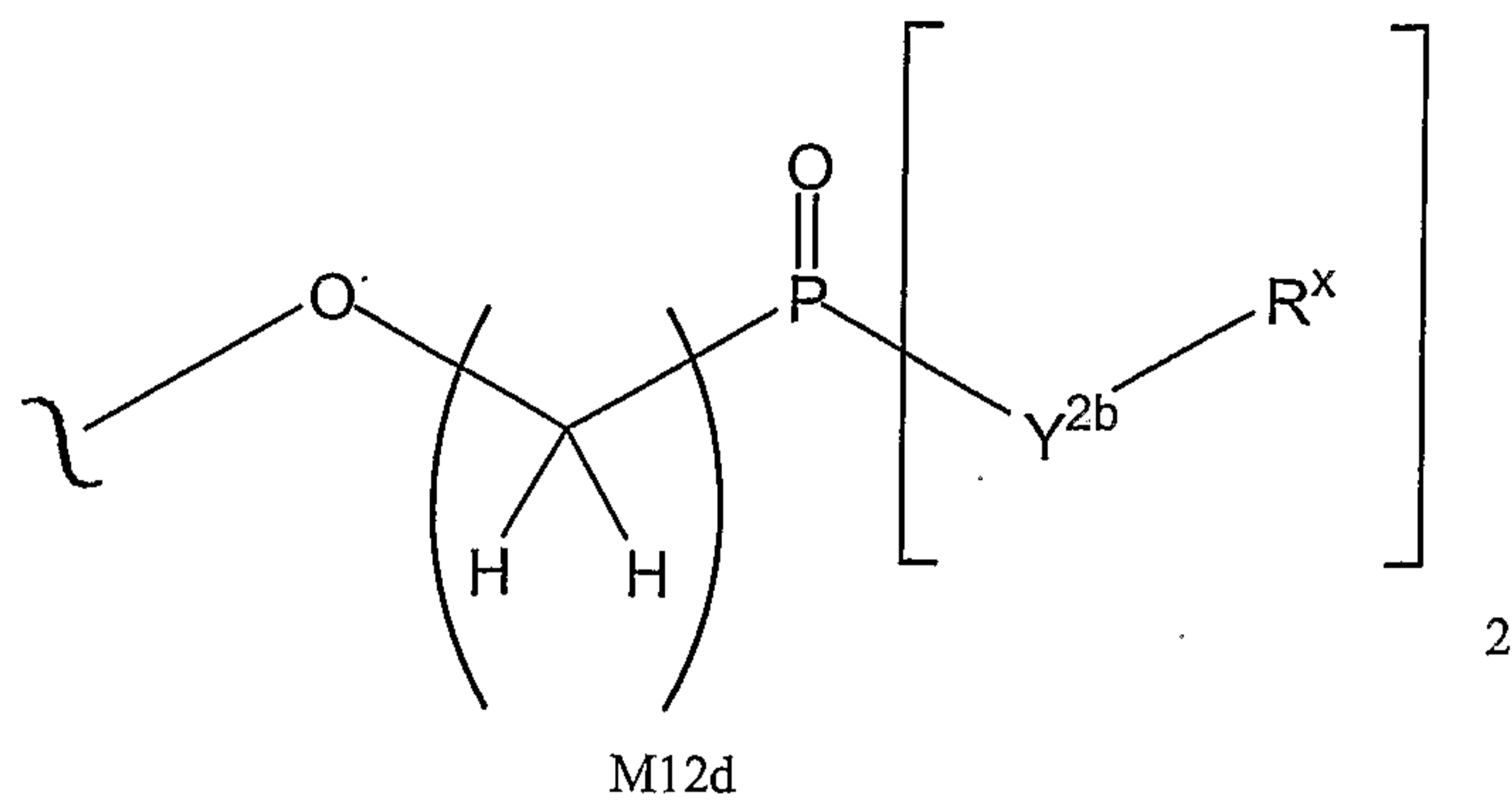
5 wherein  $Y^{2b}$  is O or  $N(R^x)$ .

In another specific embodiment of the invention  $A^3$  is of the formula:



wherein  $Y^{2b}$  is O or  $N(R^x)$ ; and M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

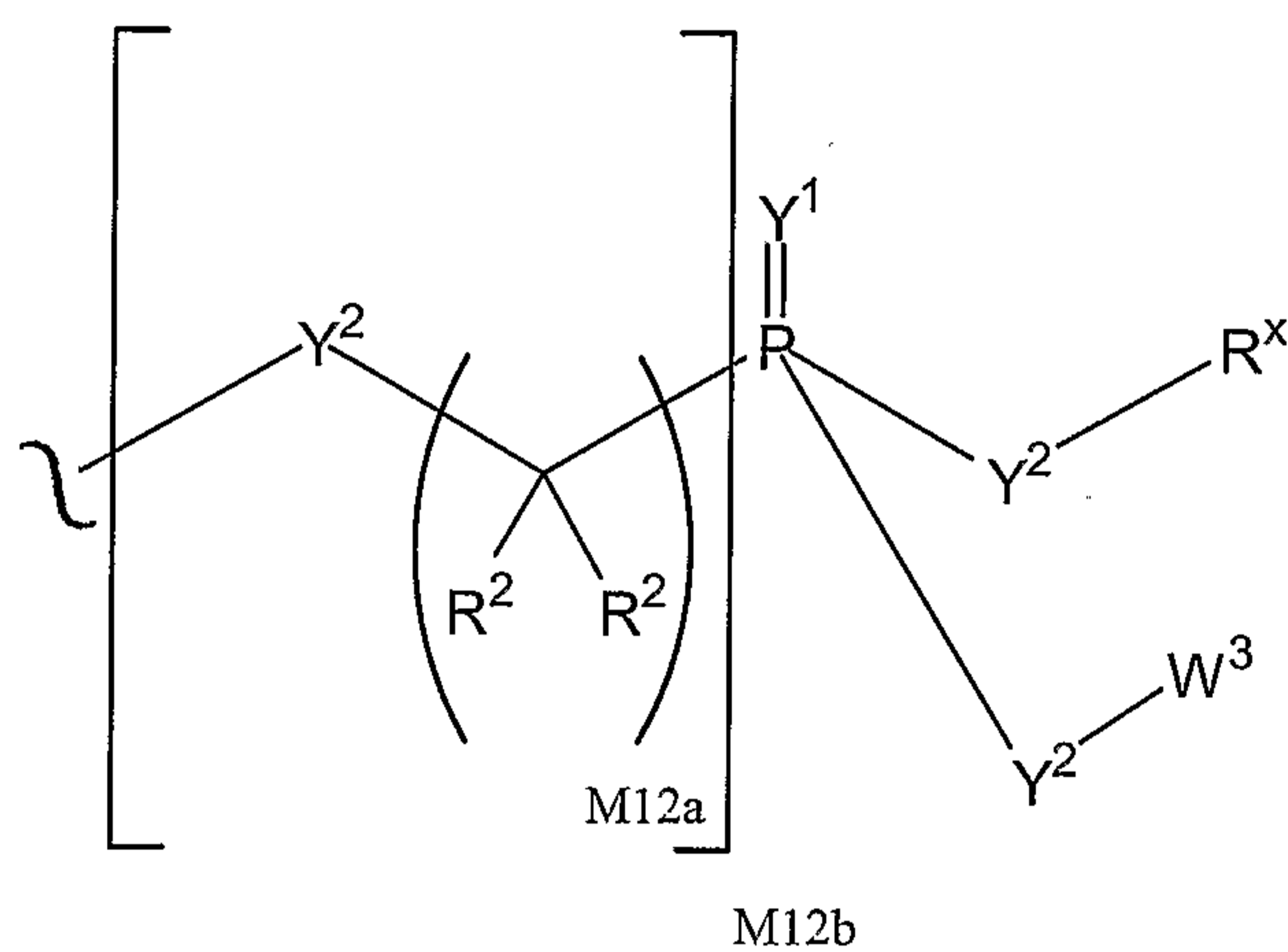
In another specific embodiment of the invention  $A^3$  is of the formula:



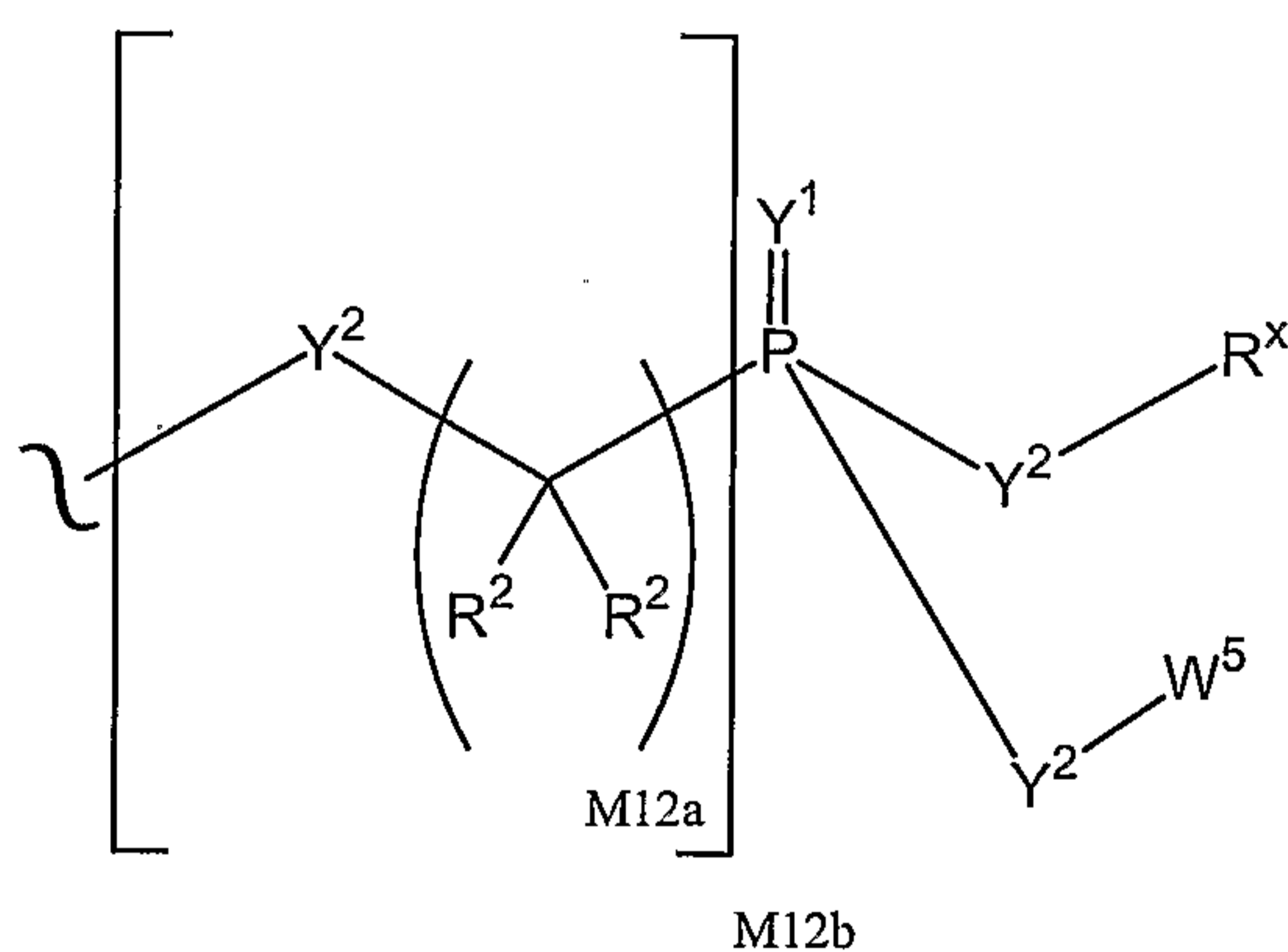
wherein  $Y^{2b}$  is O or  $N(R^x)$ ; and M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

In another specific embodiment of the invention M12d is 1.

In another specific embodiment of the invention  $A^3$  is of the formula:

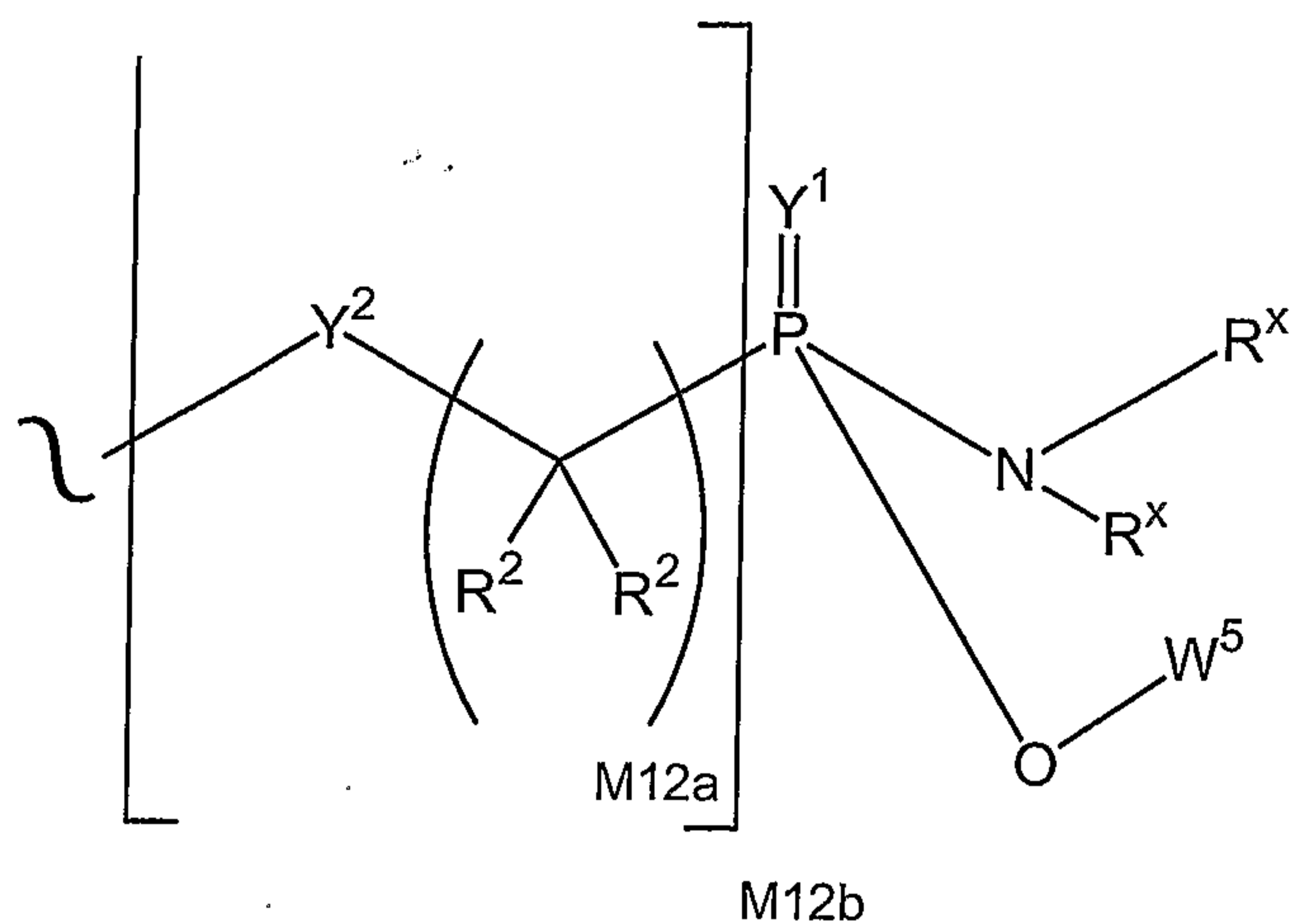


In another specific embodiment of the invention  $A^3$  is of the formula:



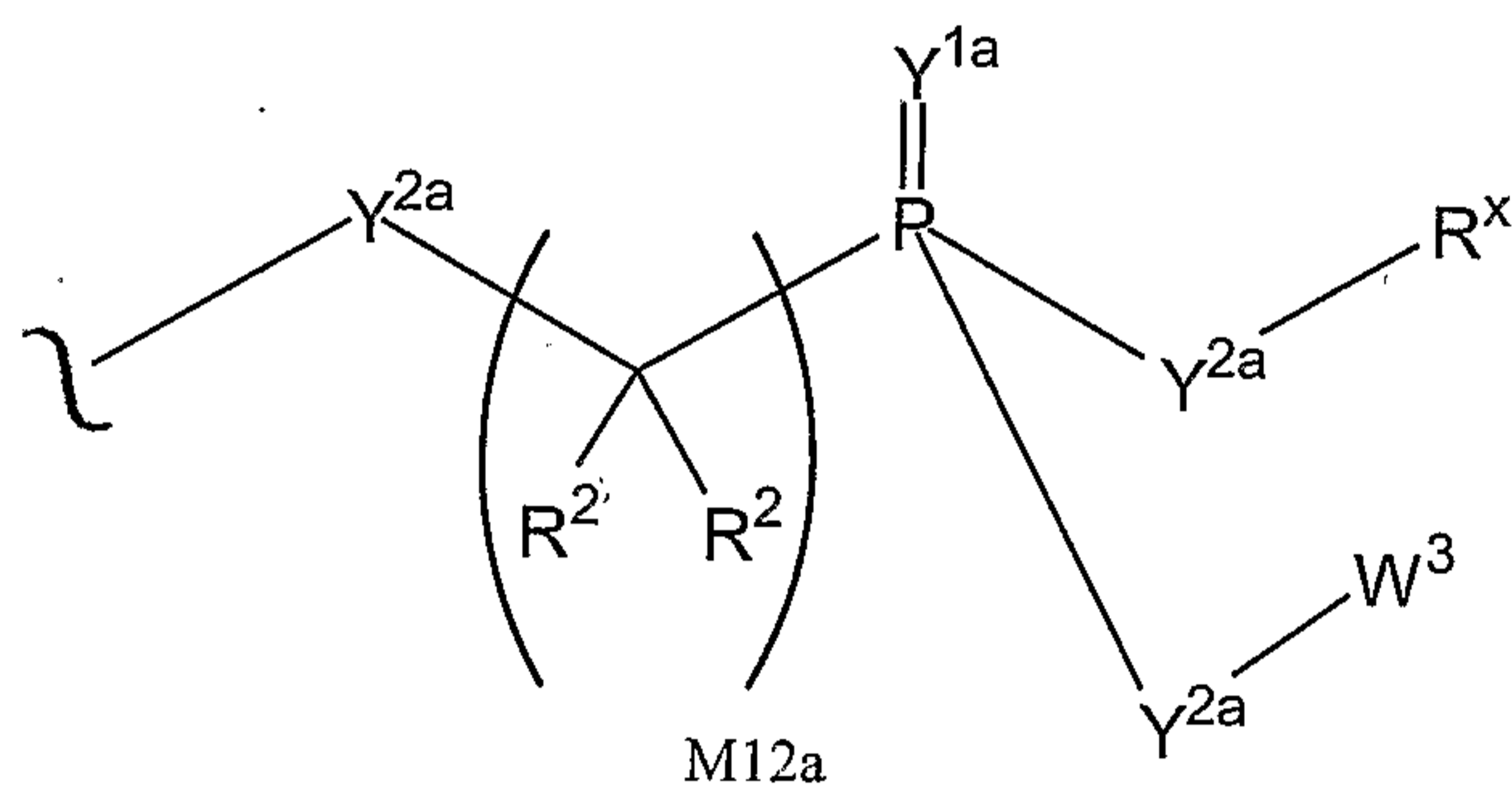
10 In another specific embodiment of the invention  $W^5$  is a carbocycle.

In another specific embodiment of the invention  $A^3$  is of the formula:



In another specific embodiment of the invention  $W^5$  is phenyl.

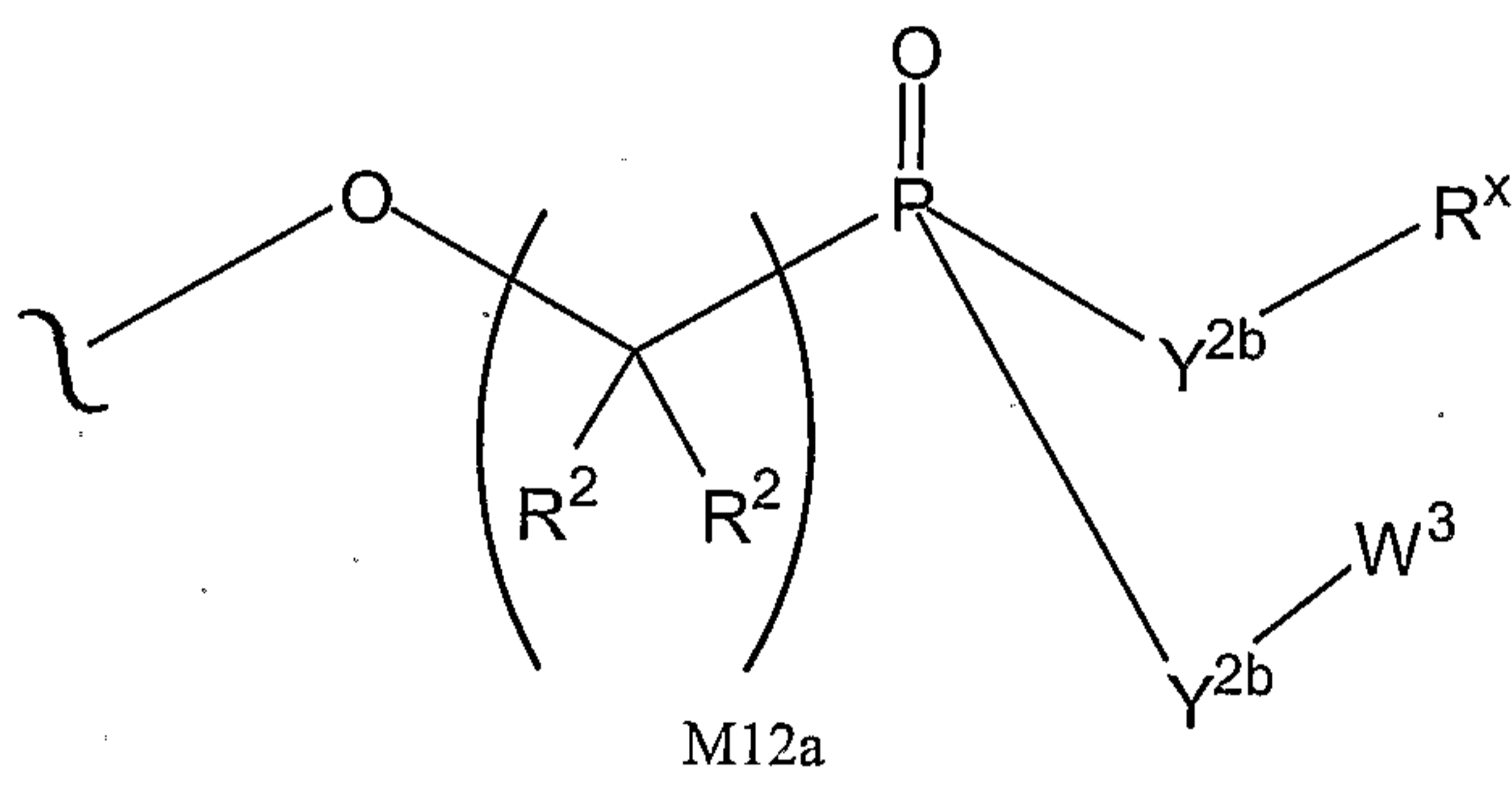
In another specific embodiment of the invention  $A^3$  is of the formula:



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wherein  $Y^{1a}$  is O or S; and  $Y^{2a}$  is O,  $N(R^x)$  or S.

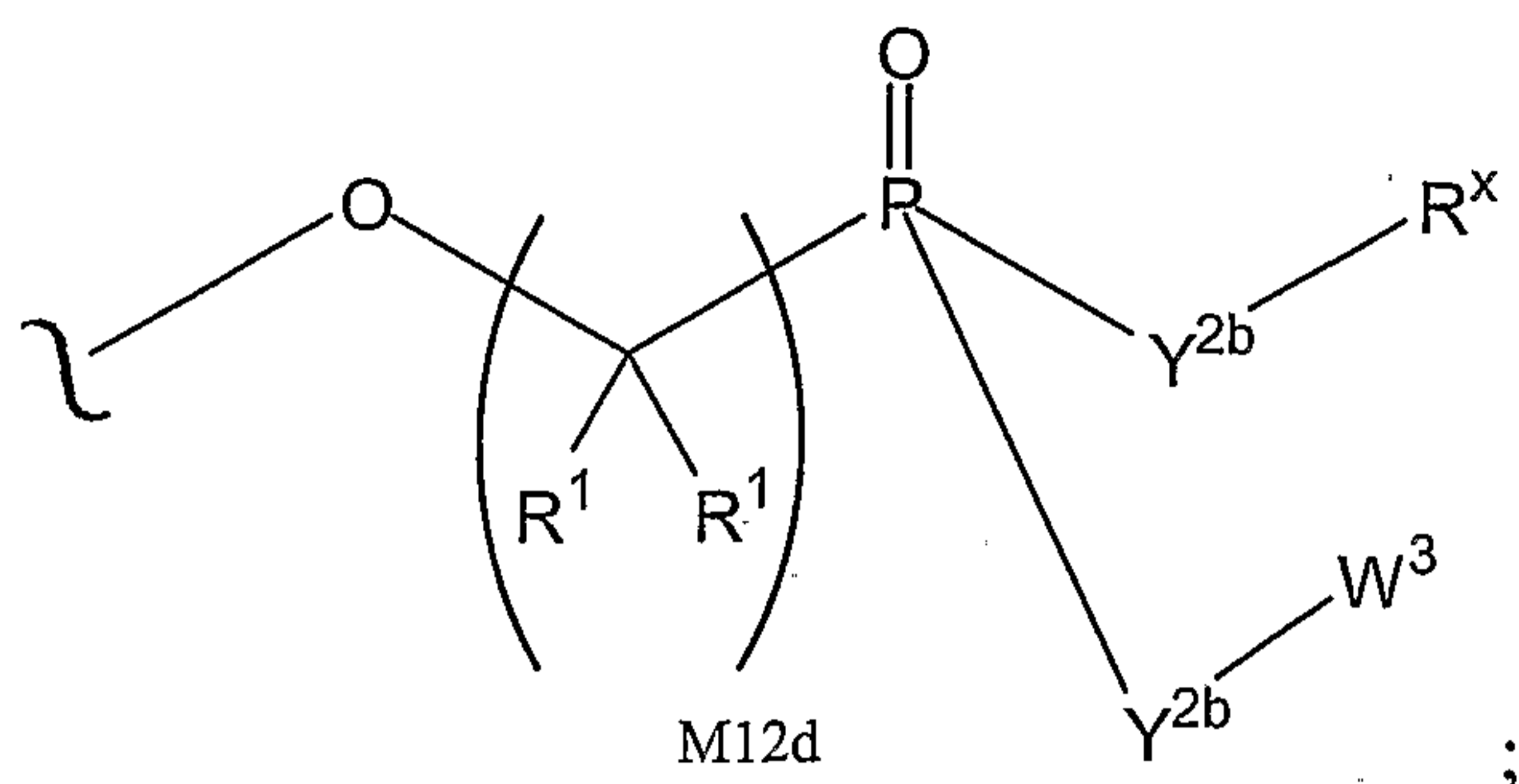
In another specific embodiment of the invention  $A^3$  is of the formula:



wherein  $Y^{2b}$  is O or  $N(R^x)$ .

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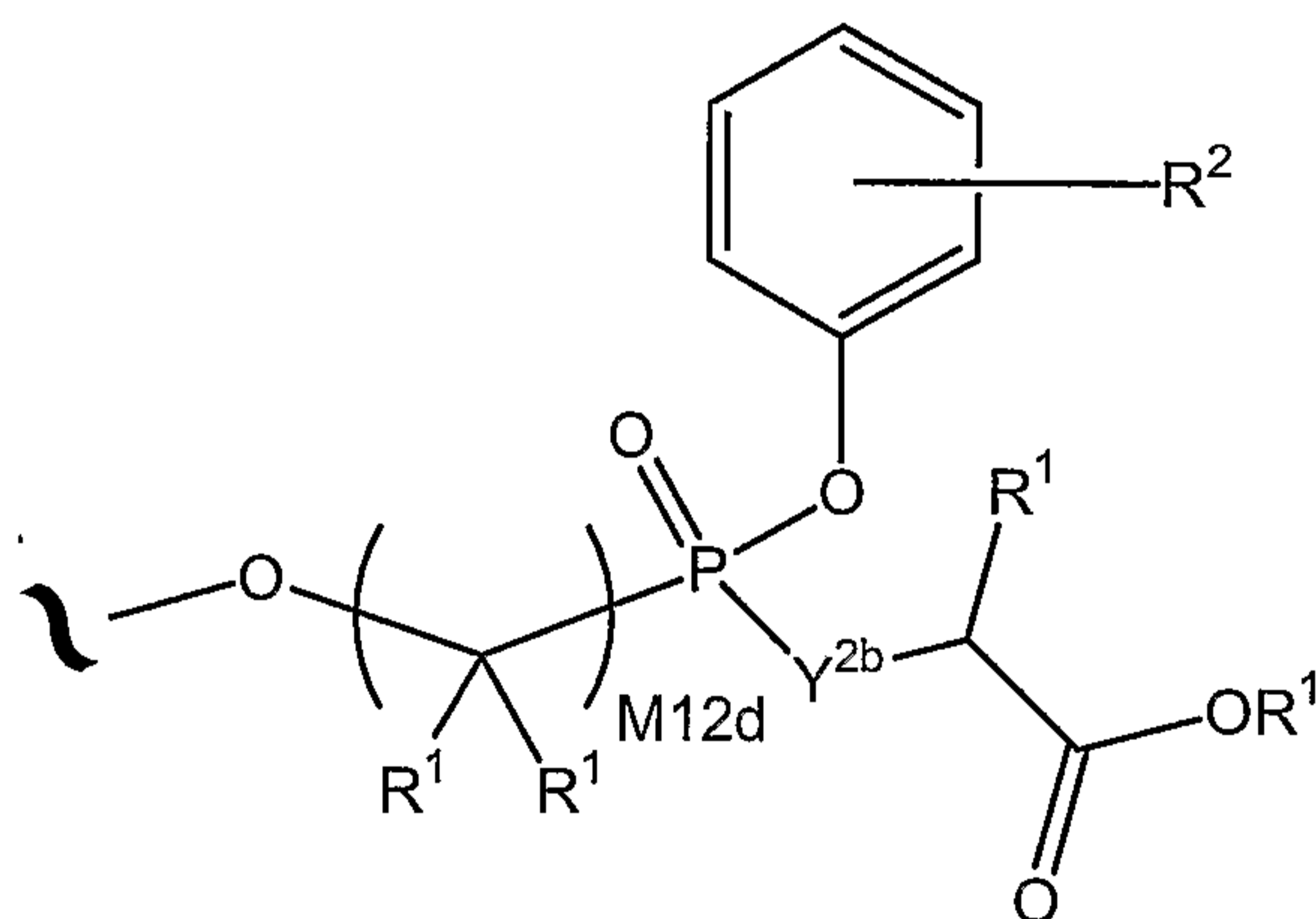
In another specific embodiment of the invention  $A^3$  is of the formula:



wherein  $Y^{2b}$  is O or  $N(R^x)$ ; and M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

In another specific embodiment of the invention  $R^1$  is H.

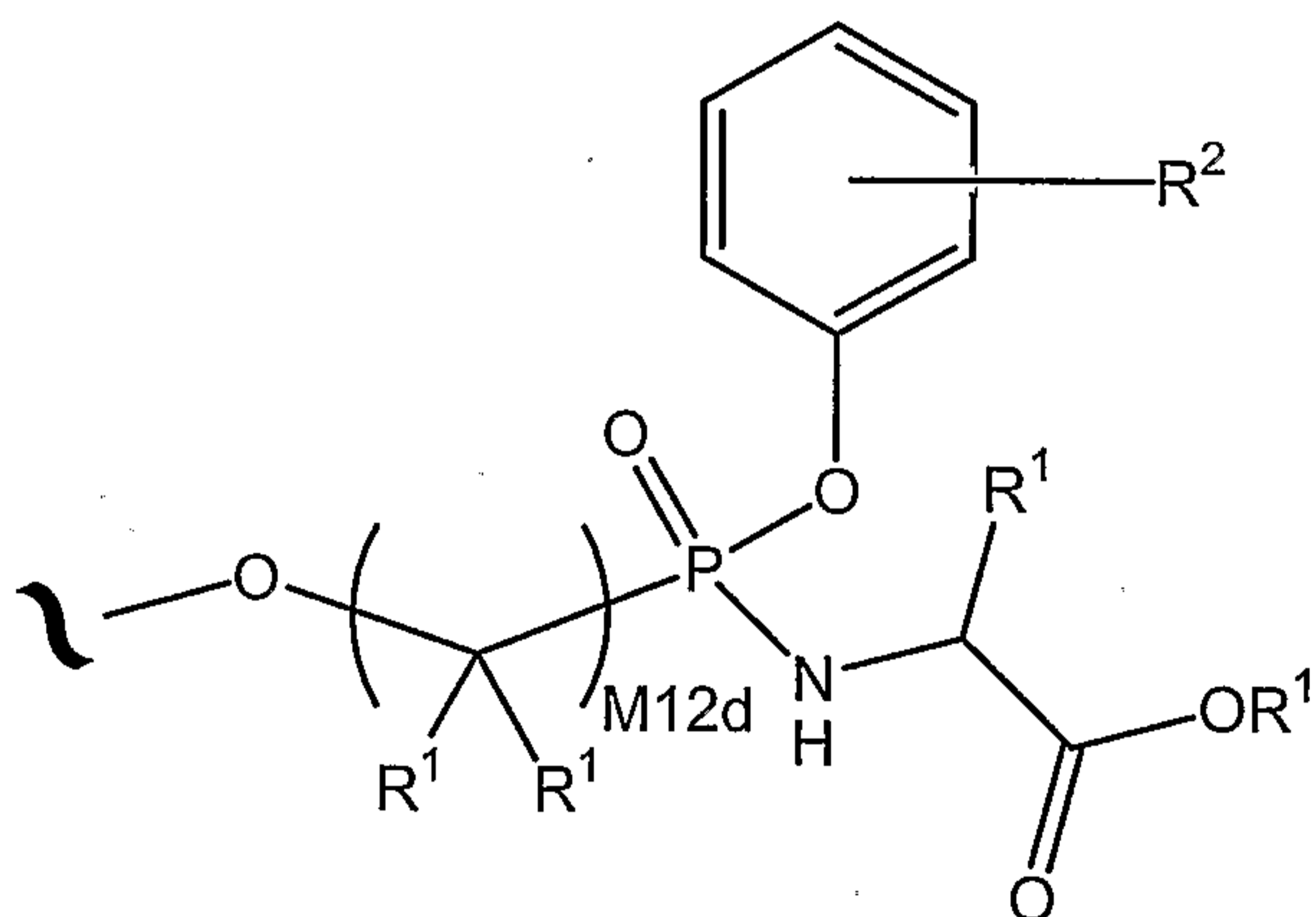
In another specific embodiment of the invention  $A^3$  is of the formula:



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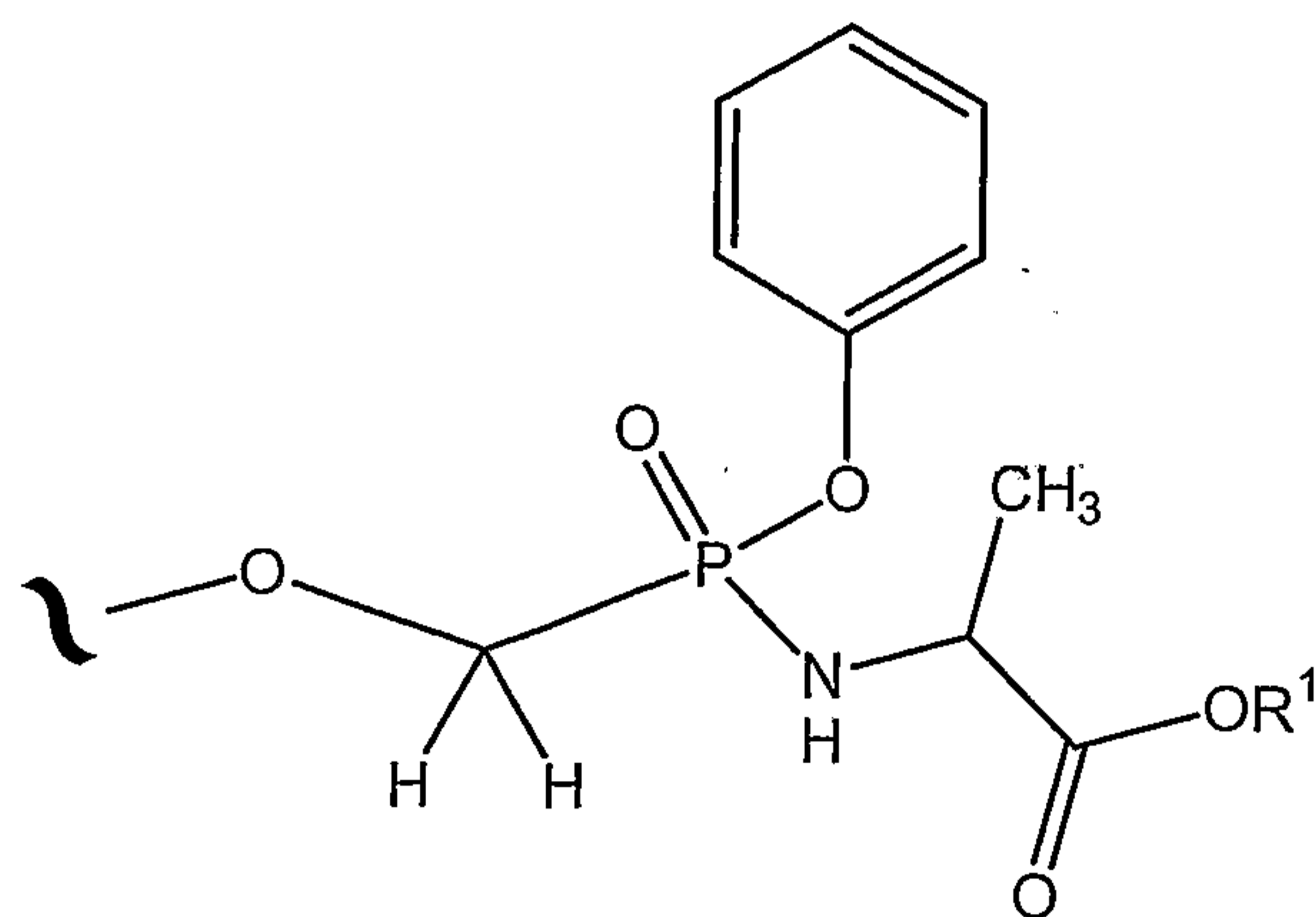
wherein the phenyl carbocycle is substituted with 0, 1, 2, or 3  $R^2$  groups.

In another specific embodiment of the invention  $A^3$  is of the formula:

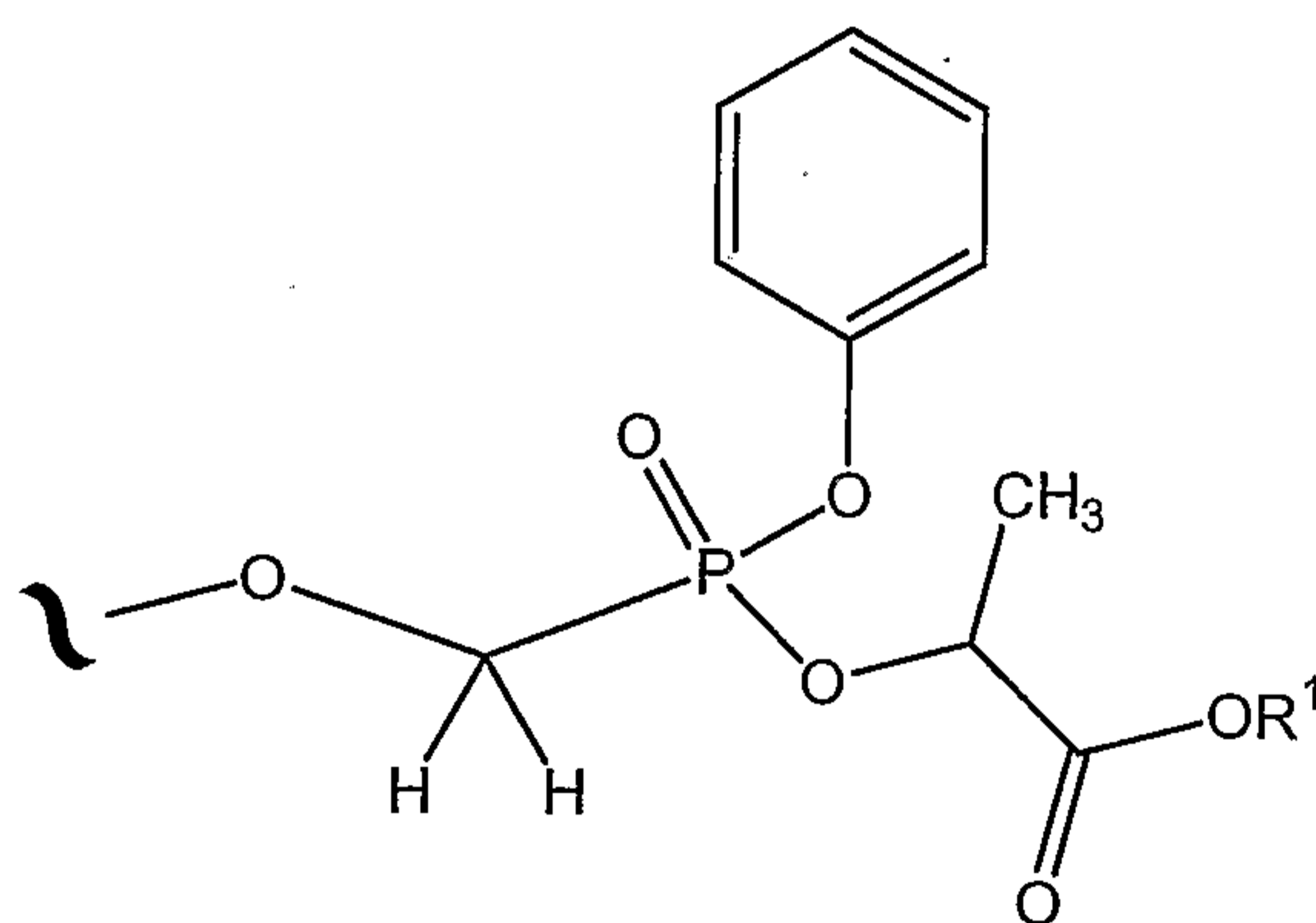


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In another specific embodiment of the invention  $A^3$  is of the formula:

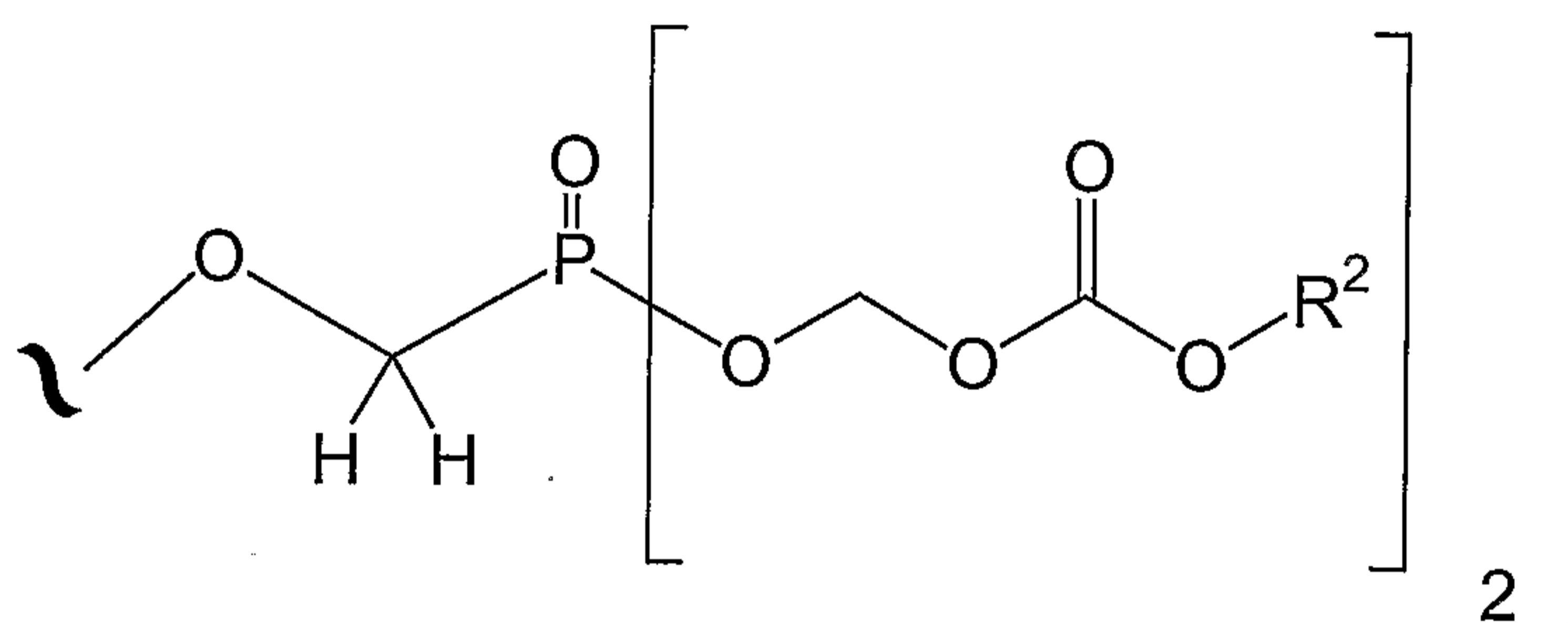


In another specific embodiment of the invention  $A^3$  is of the formula:



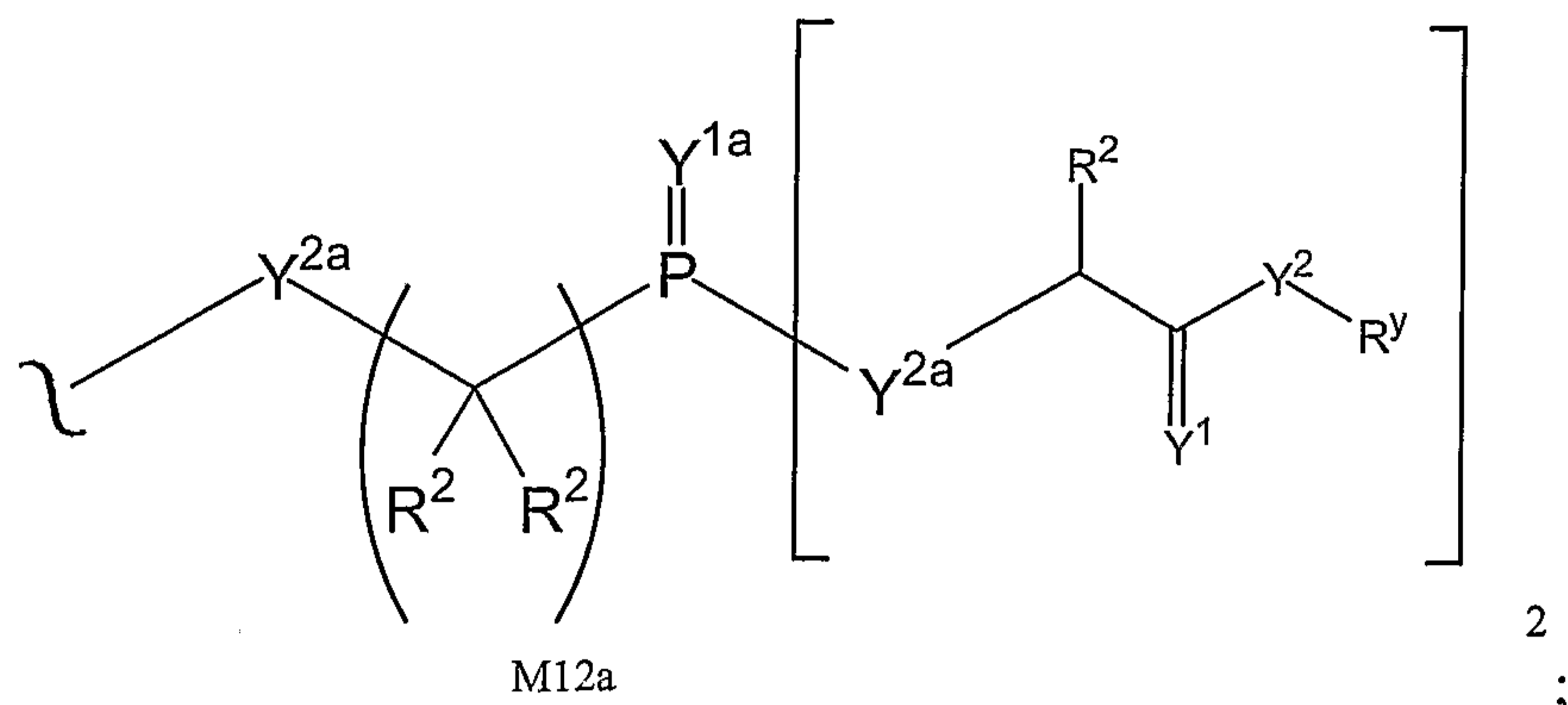
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In another specific embodiment of the invention  $A^3$  is of the formula:



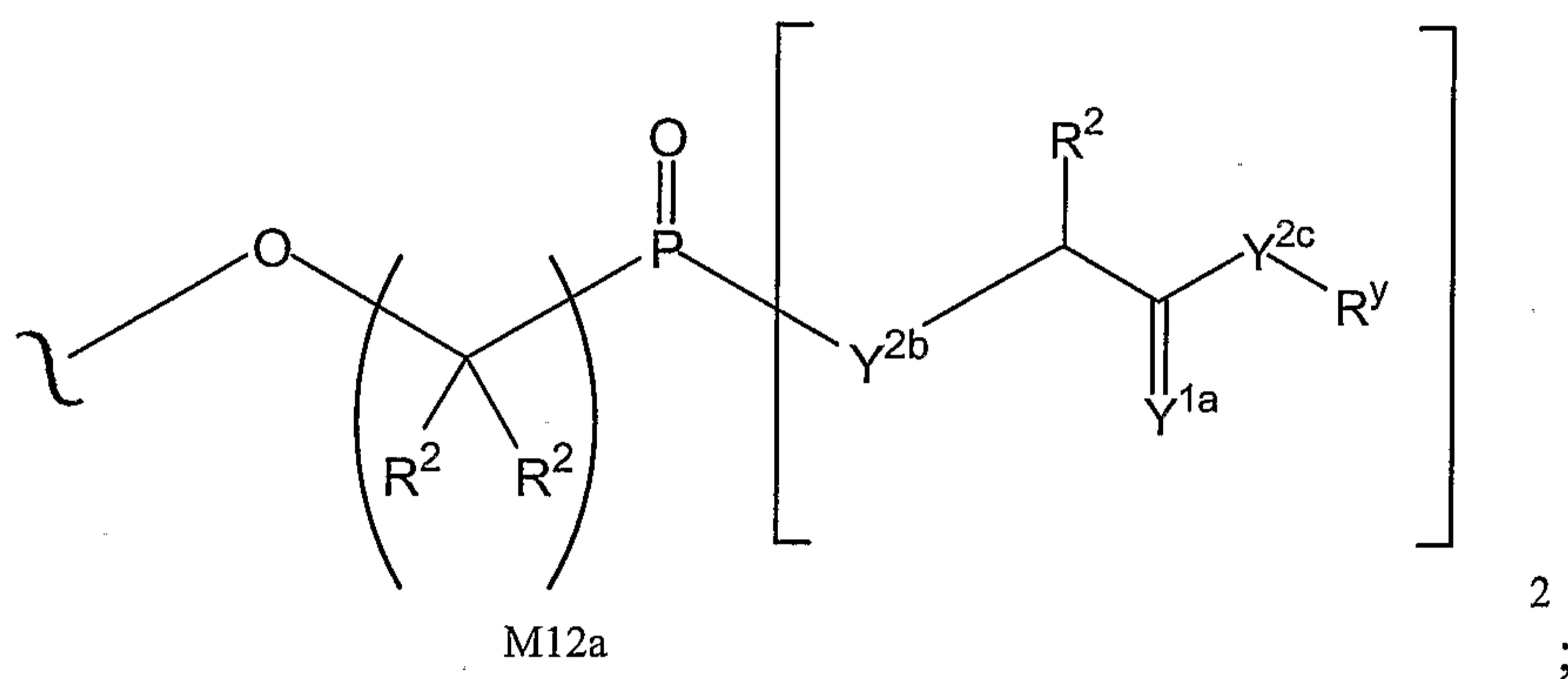
In another specific embodiment of the invention  $A^3$  is of the formula:





wherein  $Y^{1a}$  is O or S; and  $Y^{2a}$  is O,  $N(R^2)$  or S.

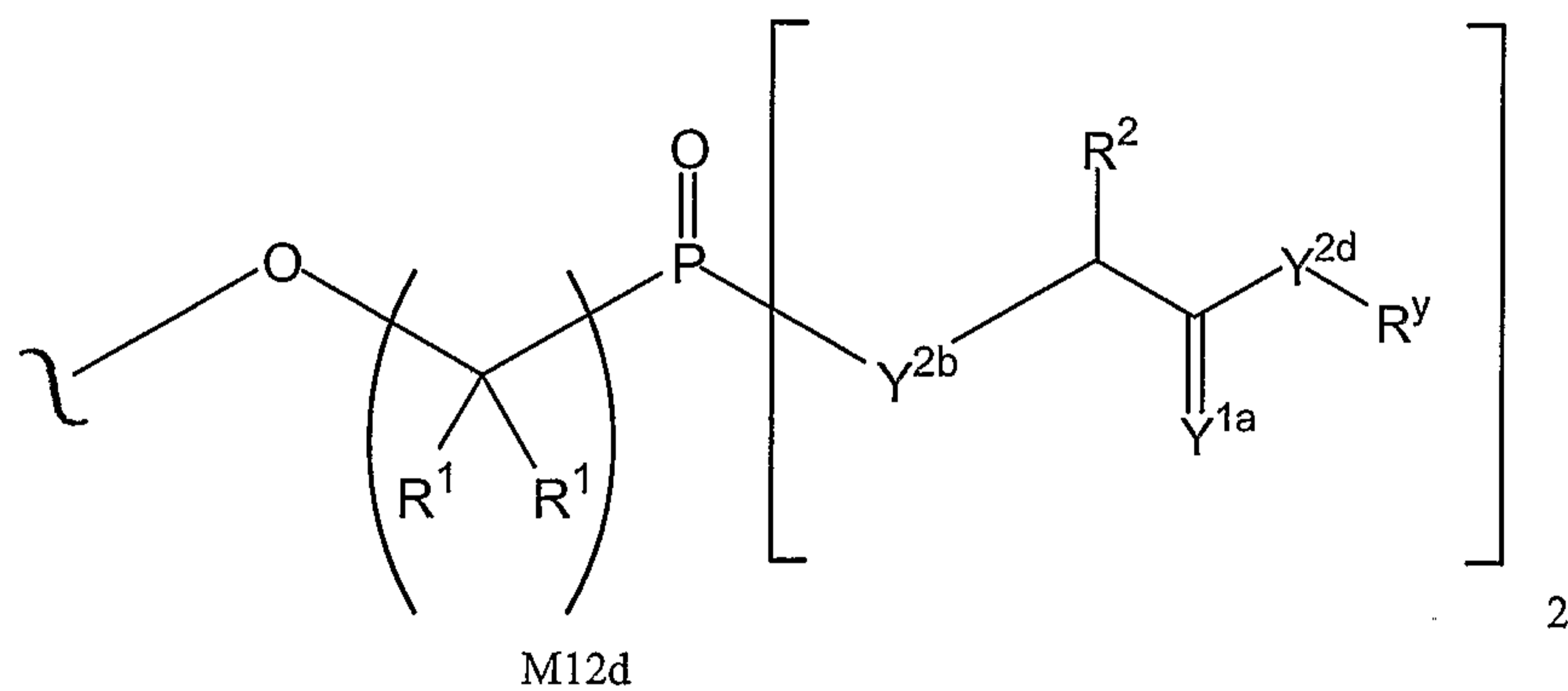
In another specific embodiment of the invention  $A^3$  is of the formula:



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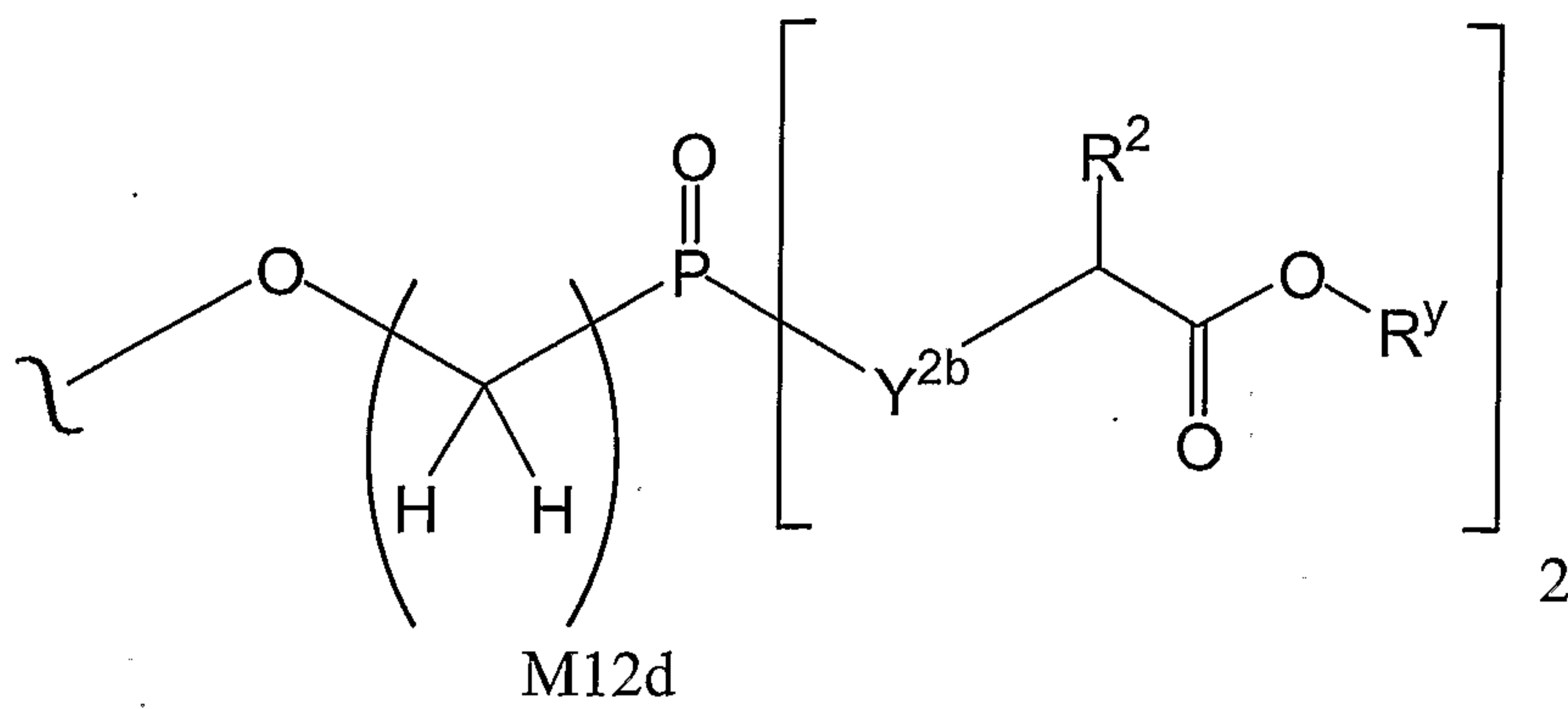
wherein  $Y^{1a}$  is O or S;  $Y^{2b}$  is O or  $N(R^2)$ ; and  $Y^{2c}$  is O,  $N(R^y)$  or S.

In another specific embodiment of the invention  $A^3$  is of the formula:



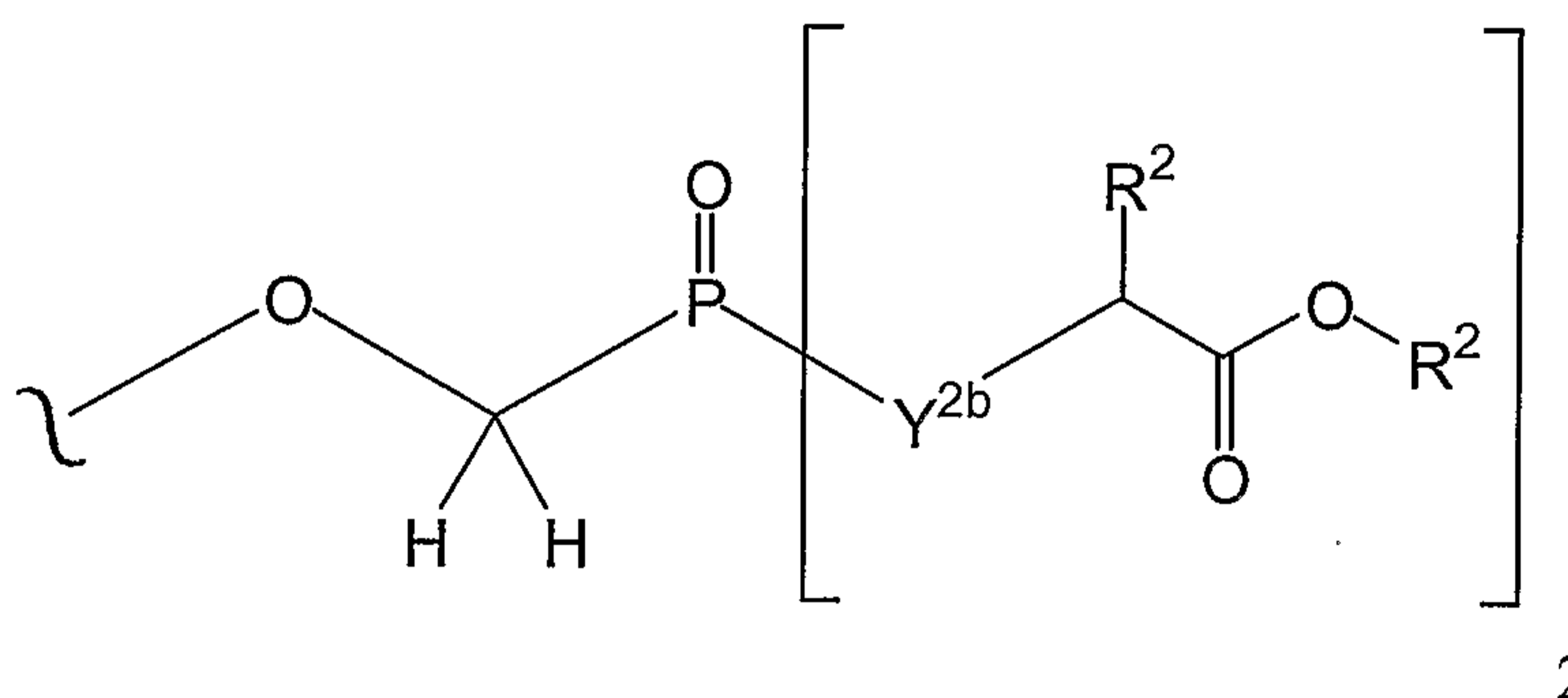
10 where  $Y^{1a}$  is O or S;  $Y^{2b}$  is O or  $N(R^2)$ ;  $Y^{2d}$  is O or  $N(R^y)$ ; and M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

In another specific embodiment of the invention  $A^3$  is of the formula:



wherein  $Y^{2b}$  is O or  $N(R^2)$ ; and M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

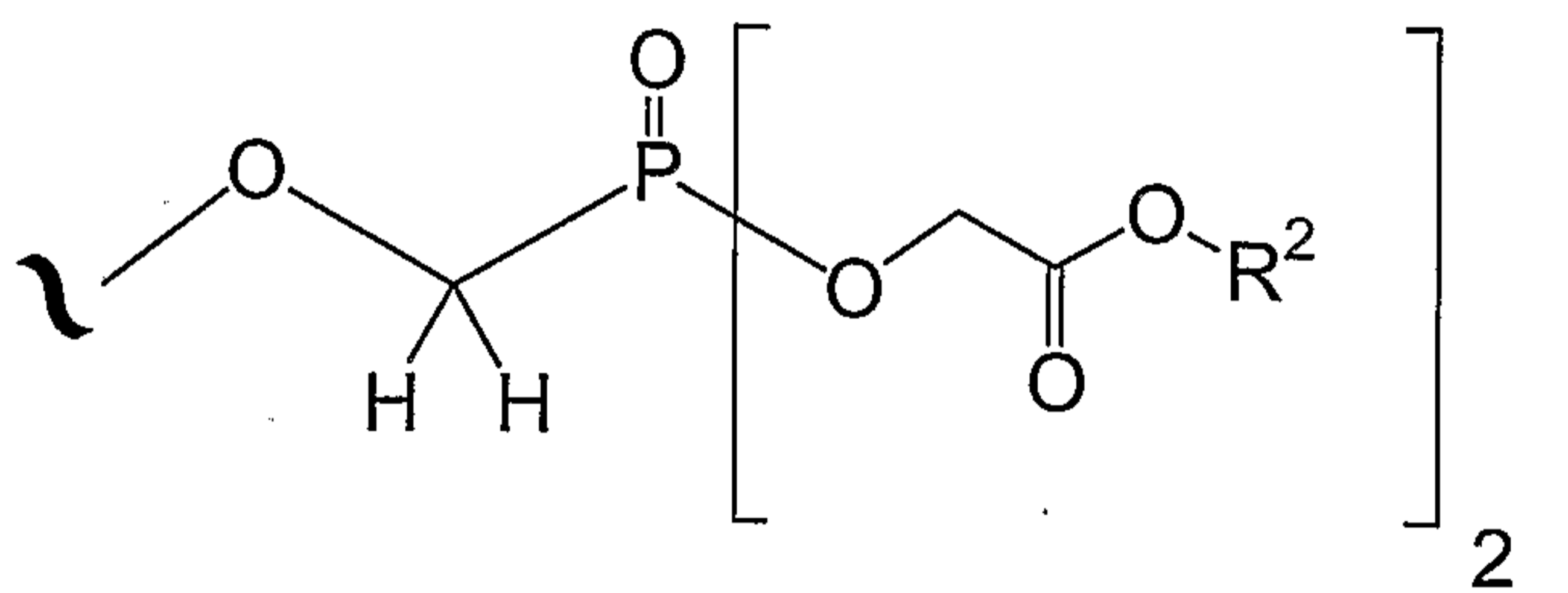
In another specific embodiment of the invention  $A^3$  is of the formula:



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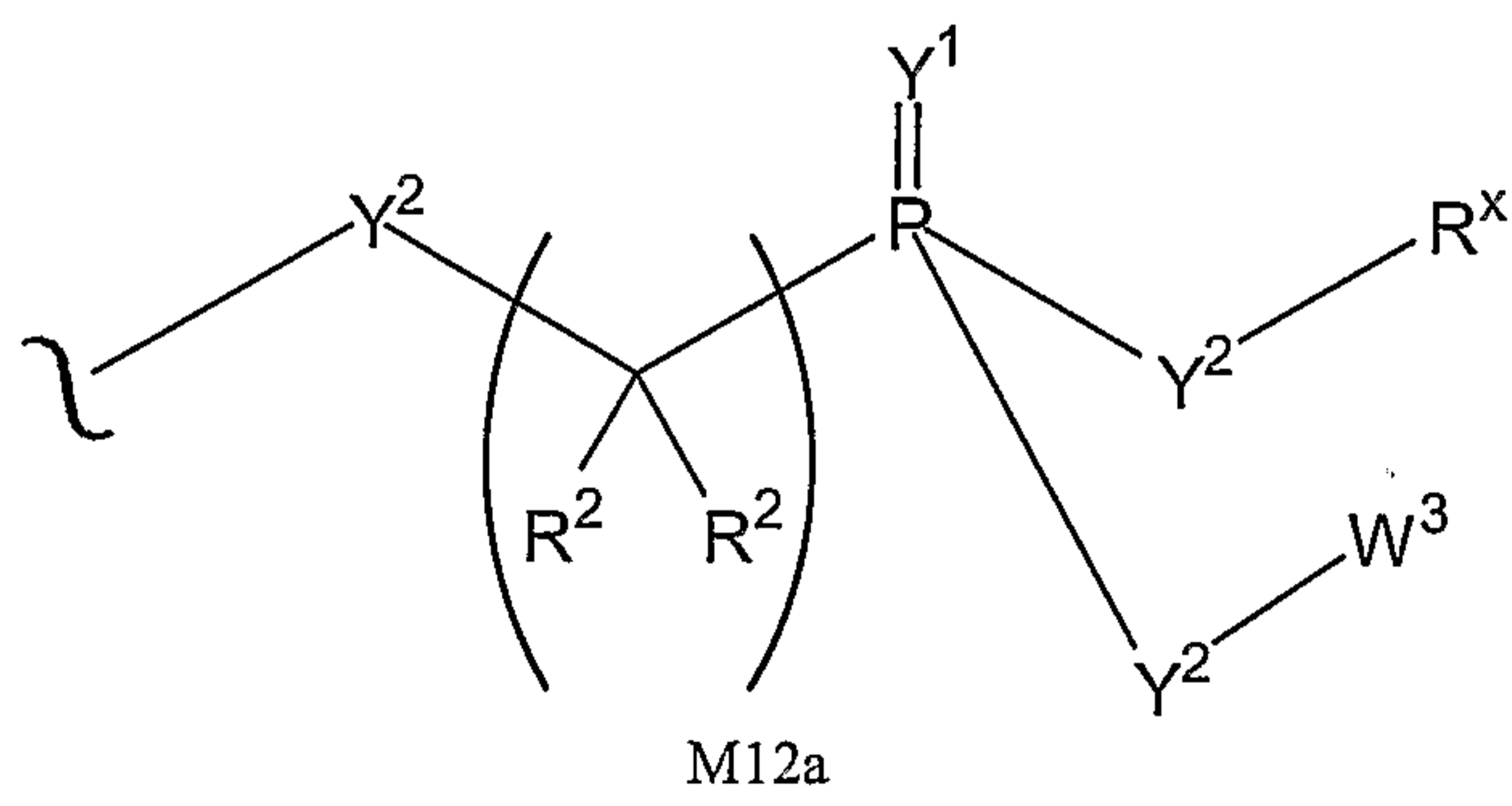
wherein  $Y^{2b}$  is O or  $N(R^2)$ .

In another specific embodiment of the invention  $A^3$  is of the formula:

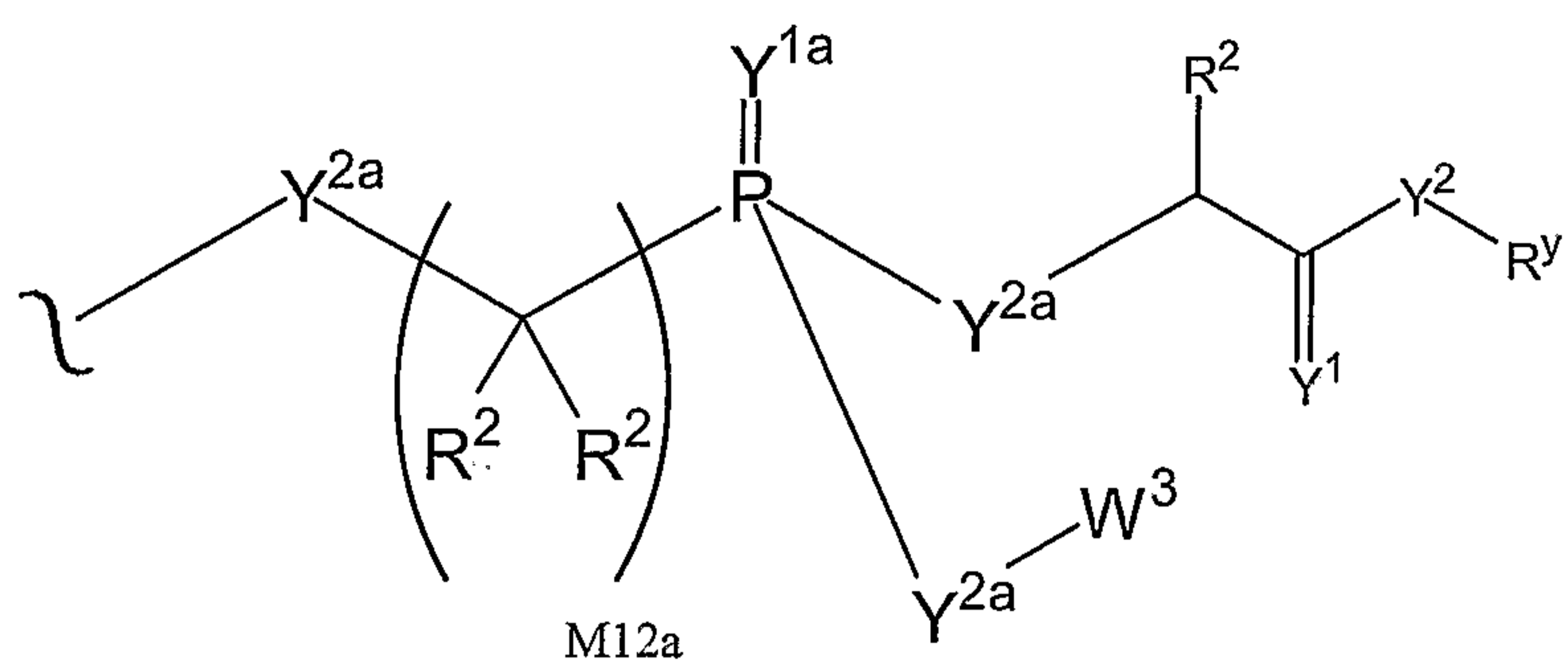


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In another specific embodiment of the invention  $A^3$  is of the formula:



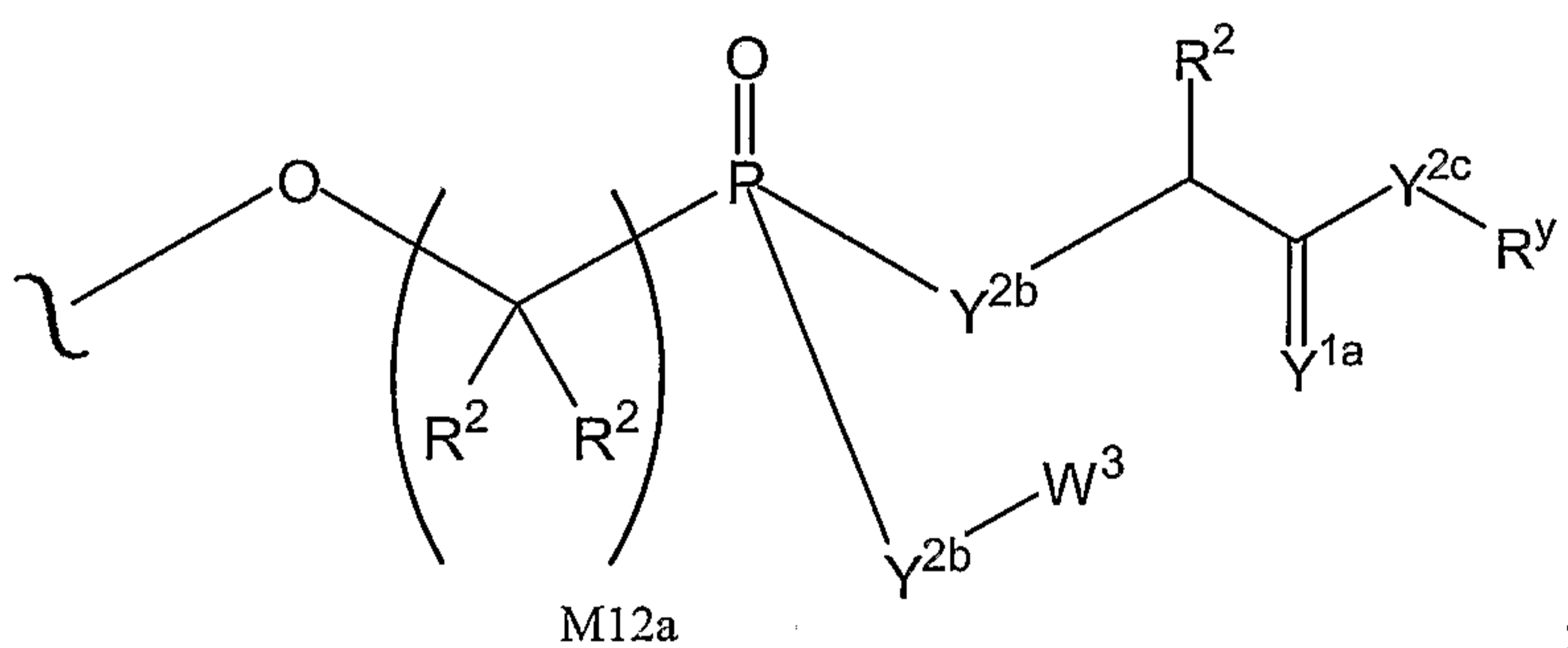
In another specific embodiment of the invention  $A^3$  is of the formula:



wherein  $Y^{1a}$  is O or S; and  $Y^{2a}$  is O, N( $R^2$ ) or S.

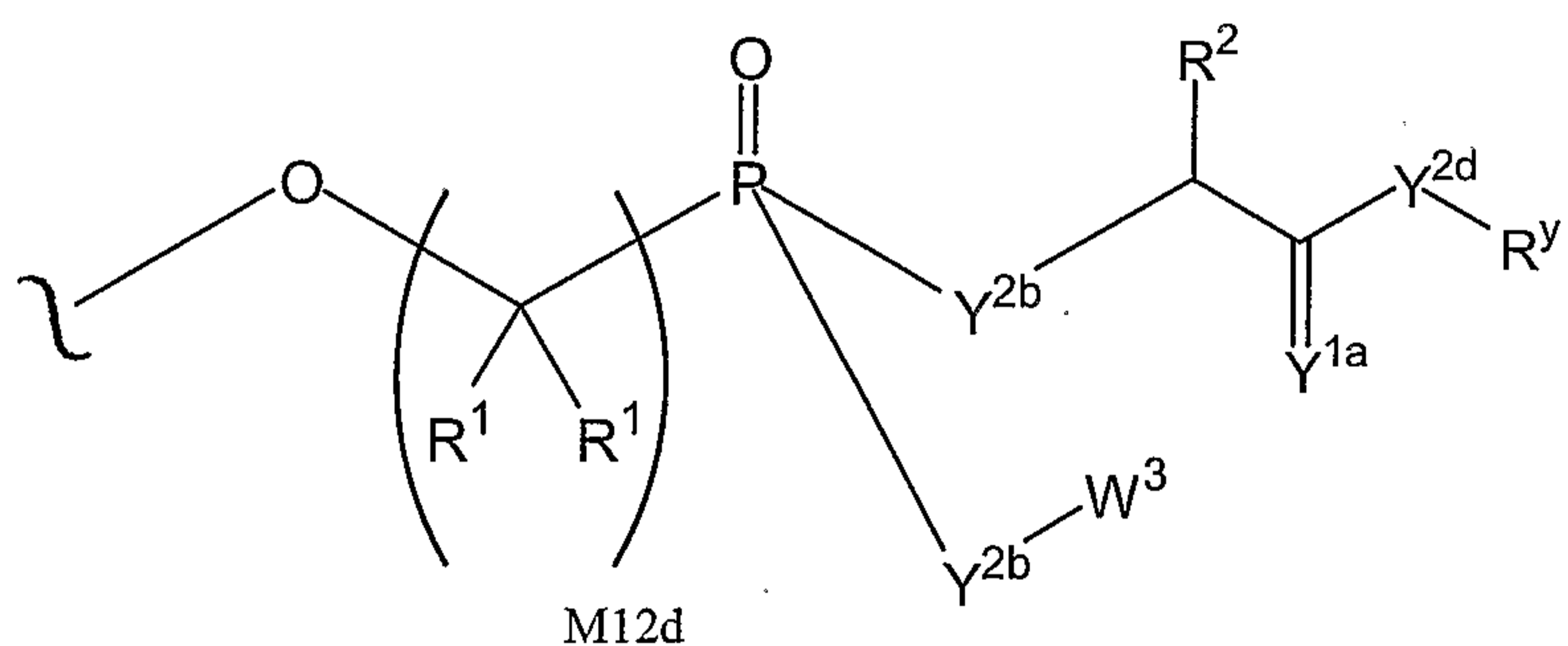
In another specific embodiment of the invention  $A^3$  is of the formula:

5



wherein  $Y^{1a}$  is O or S;  $Y^{2b}$  is O or N( $R^2$ ); and  $Y^{2c}$  is O, N( $R^y$ ) or S.

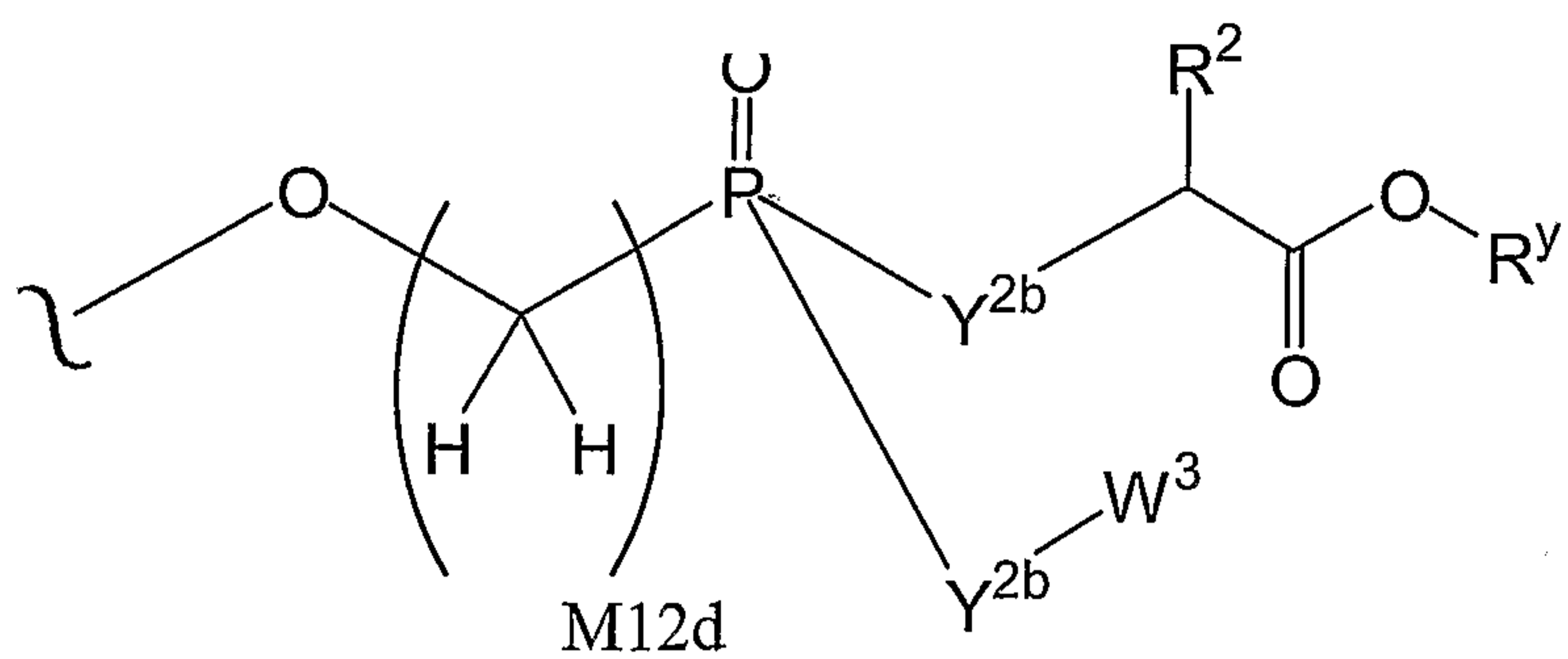
In another specific embodiment of the invention  $A^3$  is of the formula:



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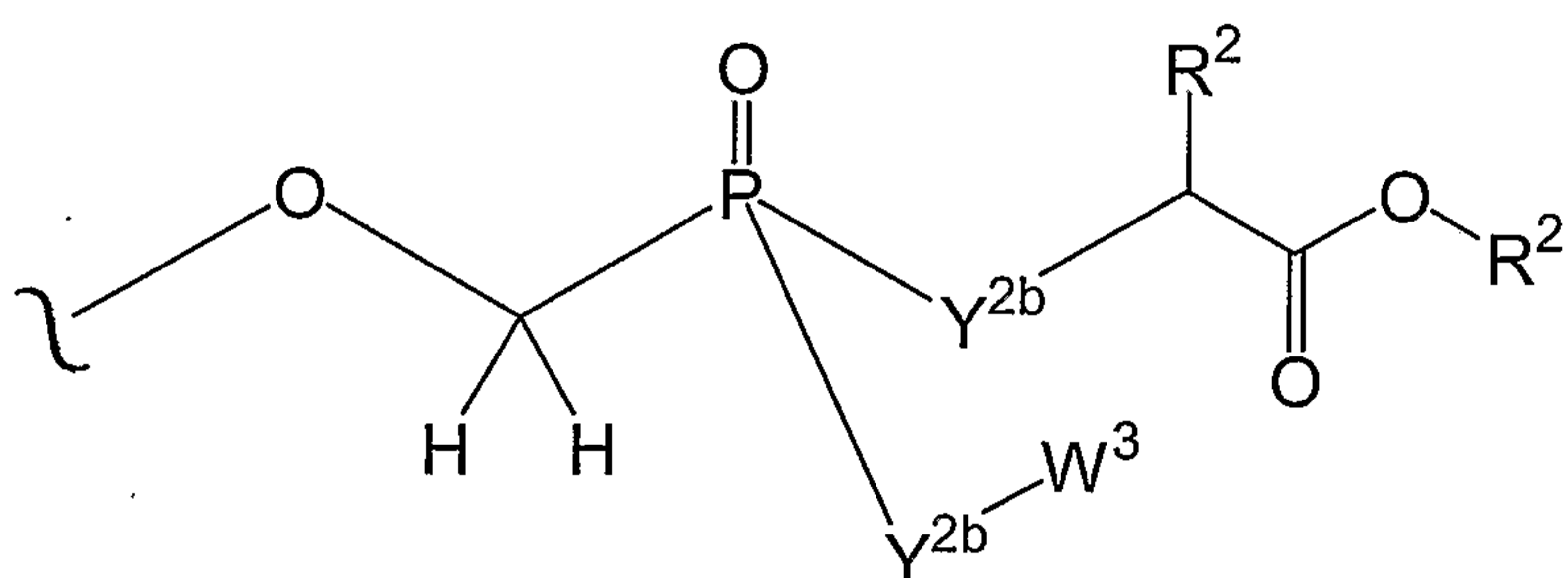
wherein  $Y^{1a}$  is O or S;  $Y^{2b}$  is O or N( $R^2$ );  $Y^{2d}$  is O or N( $R^y$ ); and M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

In another specific embodiment of the invention  $A^3$  is of the formula:



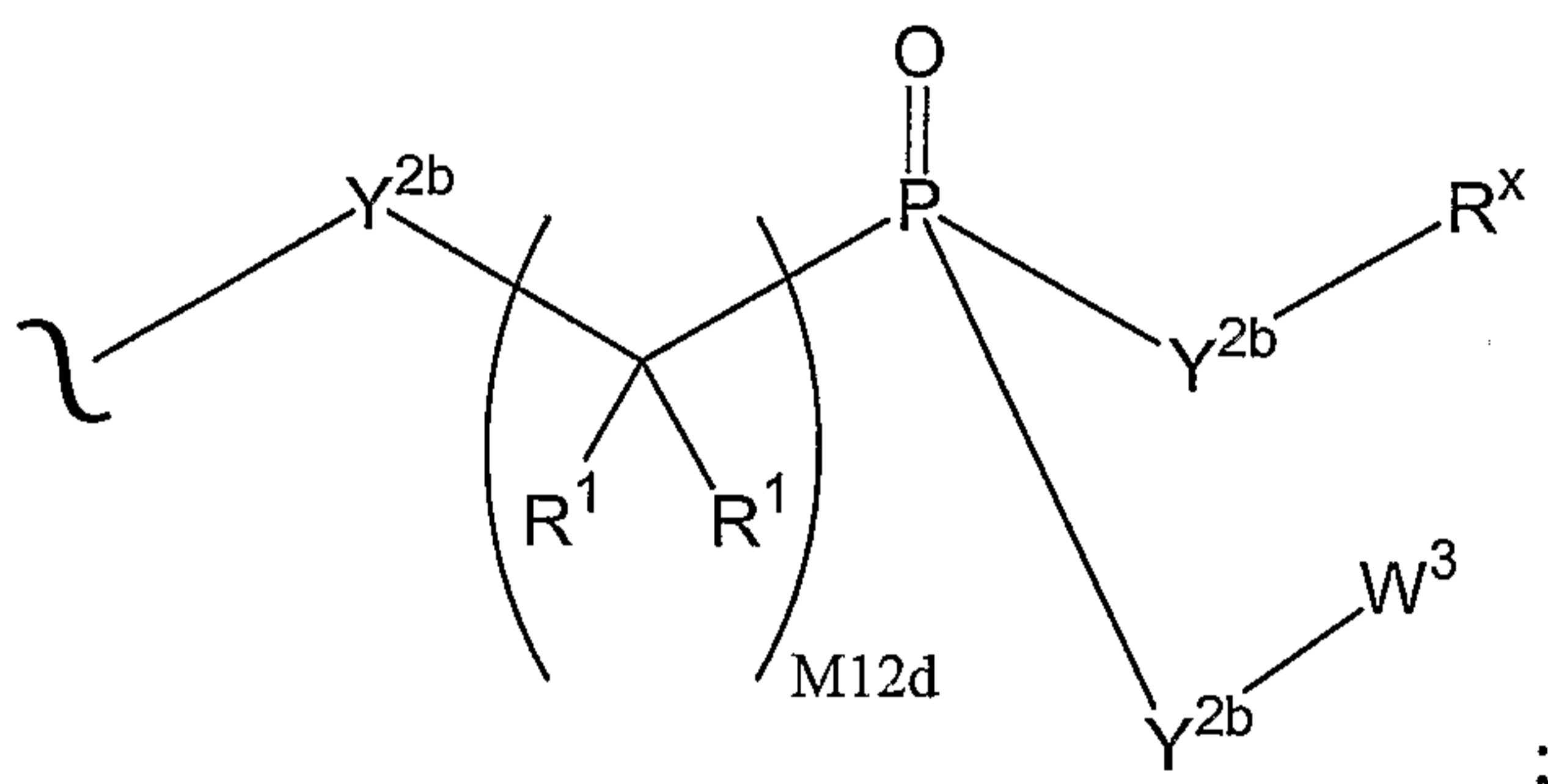
wherein Y<sup>2b</sup> is O or N(R<sup>2</sup>); and M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

In another specific embodiment of the invention A<sup>3</sup> is of the formula:



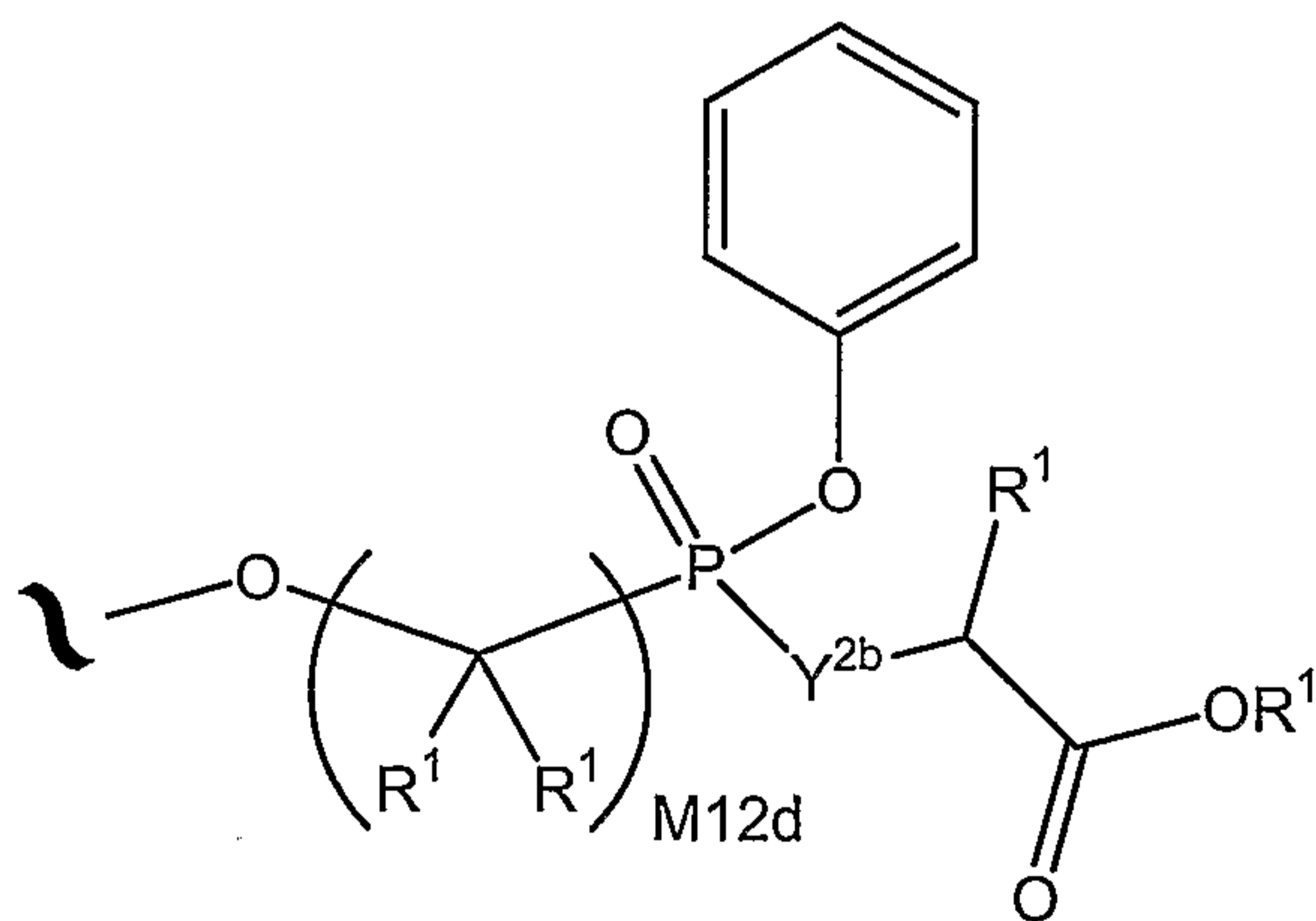
5 wherein Y<sup>2b</sup> is O or N(R<sup>2</sup>).

In another specific embodiment of the invention A<sup>3</sup> is of the formula:



wherein: Y<sup>2b</sup> is O or N(R<sup>x</sup>); and M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

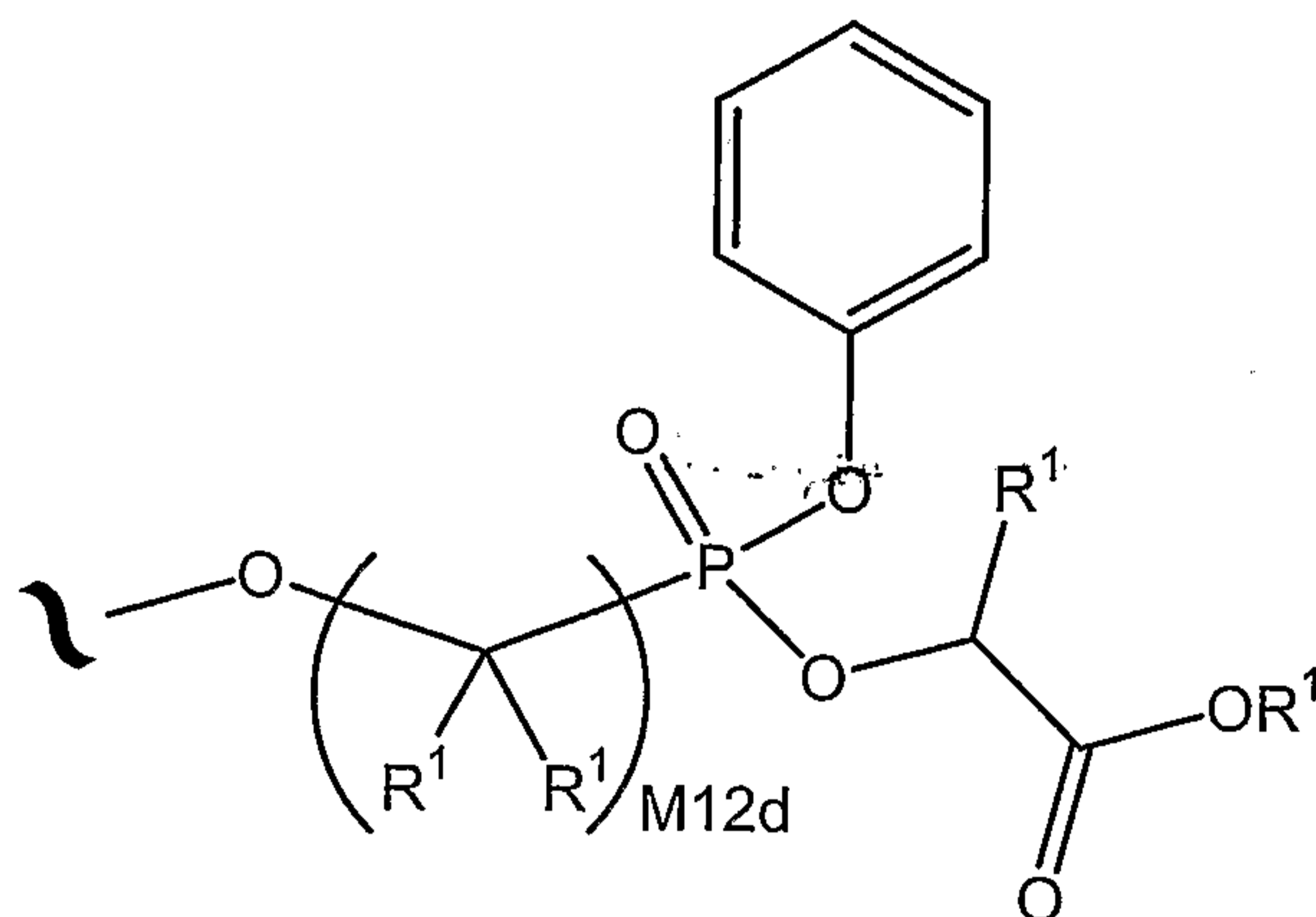
In another specific embodiment of the invention A<sup>3</sup> is of the formula:



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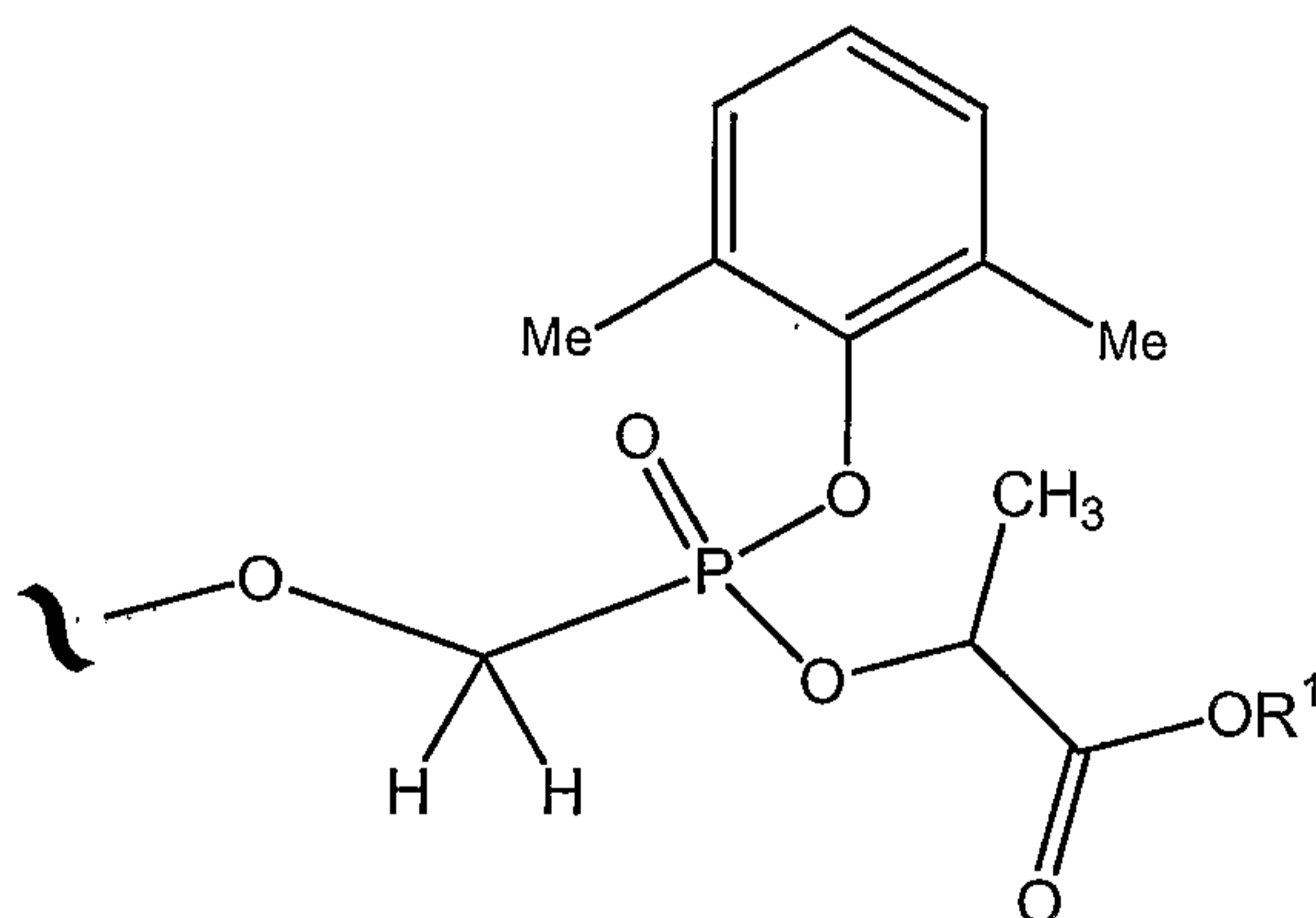
wherein the phenyl carbocycle is substituted with 0, 1, 2, or 3 R<sup>2</sup> groups.

In another specific embodiment of the invention A<sup>3</sup> is of the formula:

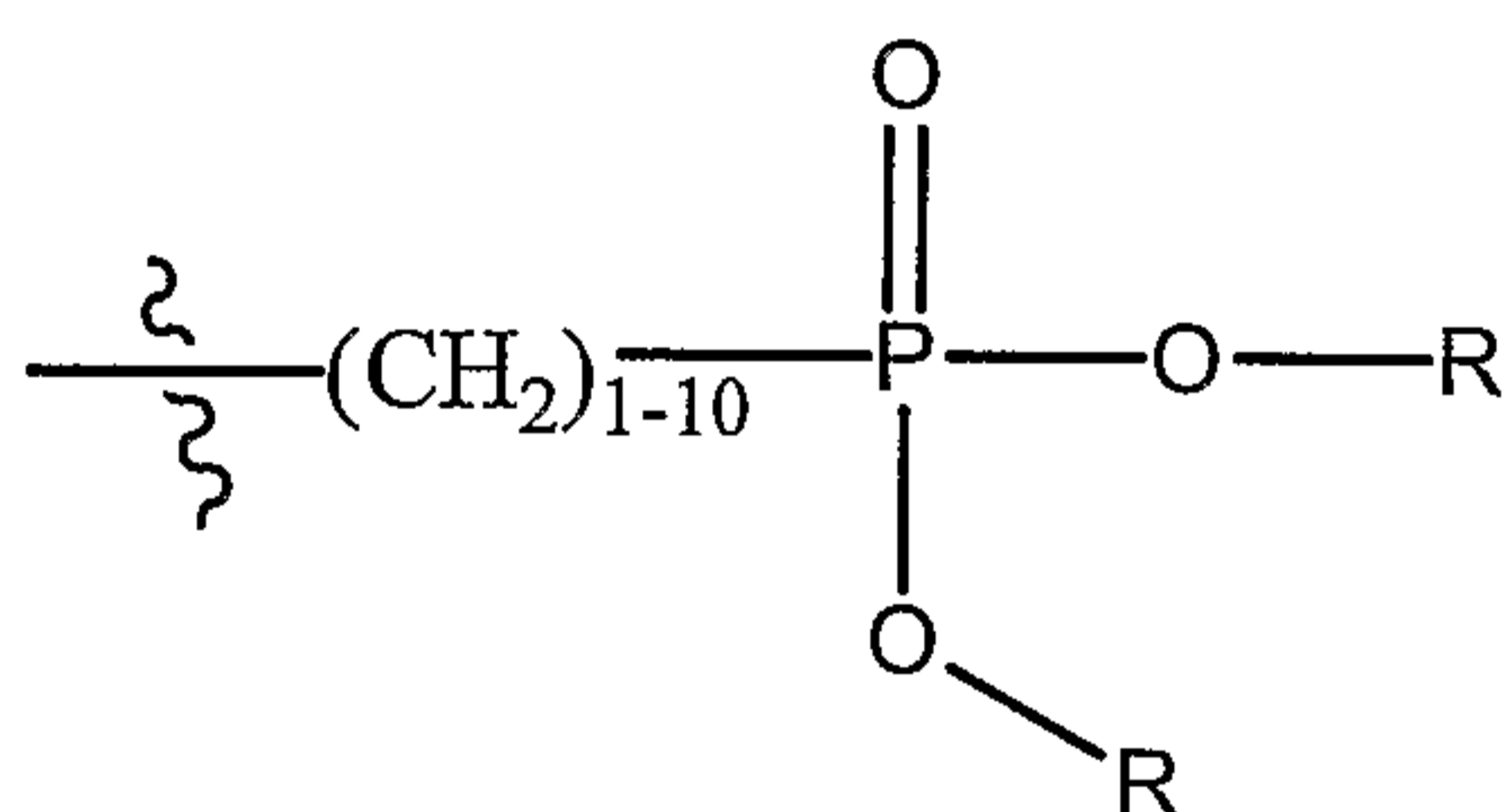


wherein the phenyl carbocycle is substituted with 0, 1, 2, or 3  $R^2$  groups.

In another specific embodiment of the invention  $A^3$  is of the formula:

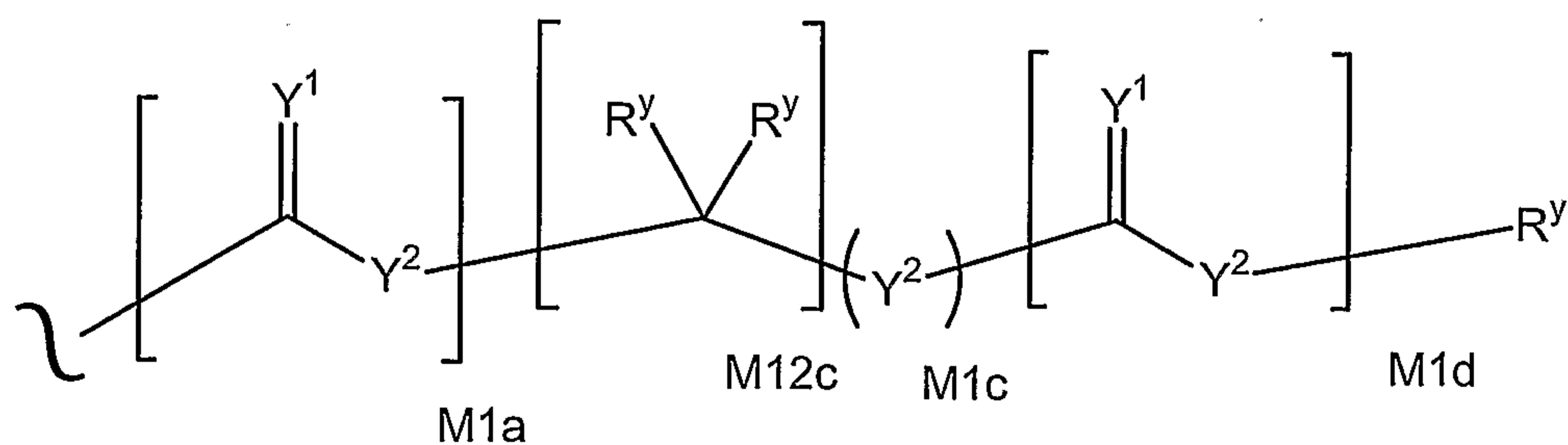


5 In a specific embodiment of the invention  $A^0$  is of the formula:



wherein each R is independently  $(C_1-C_6)$ alkyl.

10 In a specific embodiment of the invention  $R^x$  is independently H,  $R^1$ ,  $W^3$ , a protecting group, or the formula:



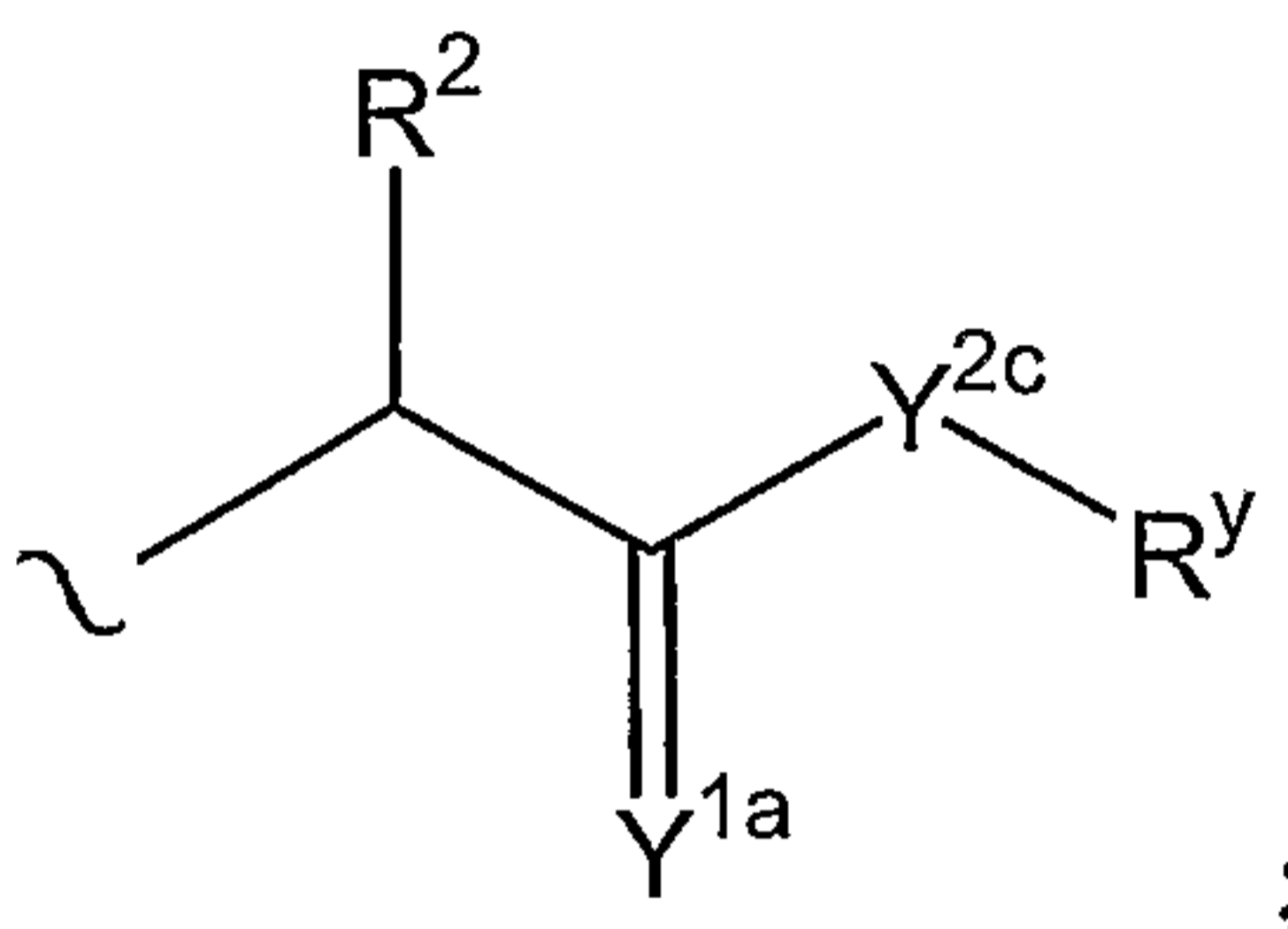
wherein:

R is independently H, W, X or a protecting group;

R<sup>1</sup> is independently H or alkyl of 1 to 18 carbon atoms;

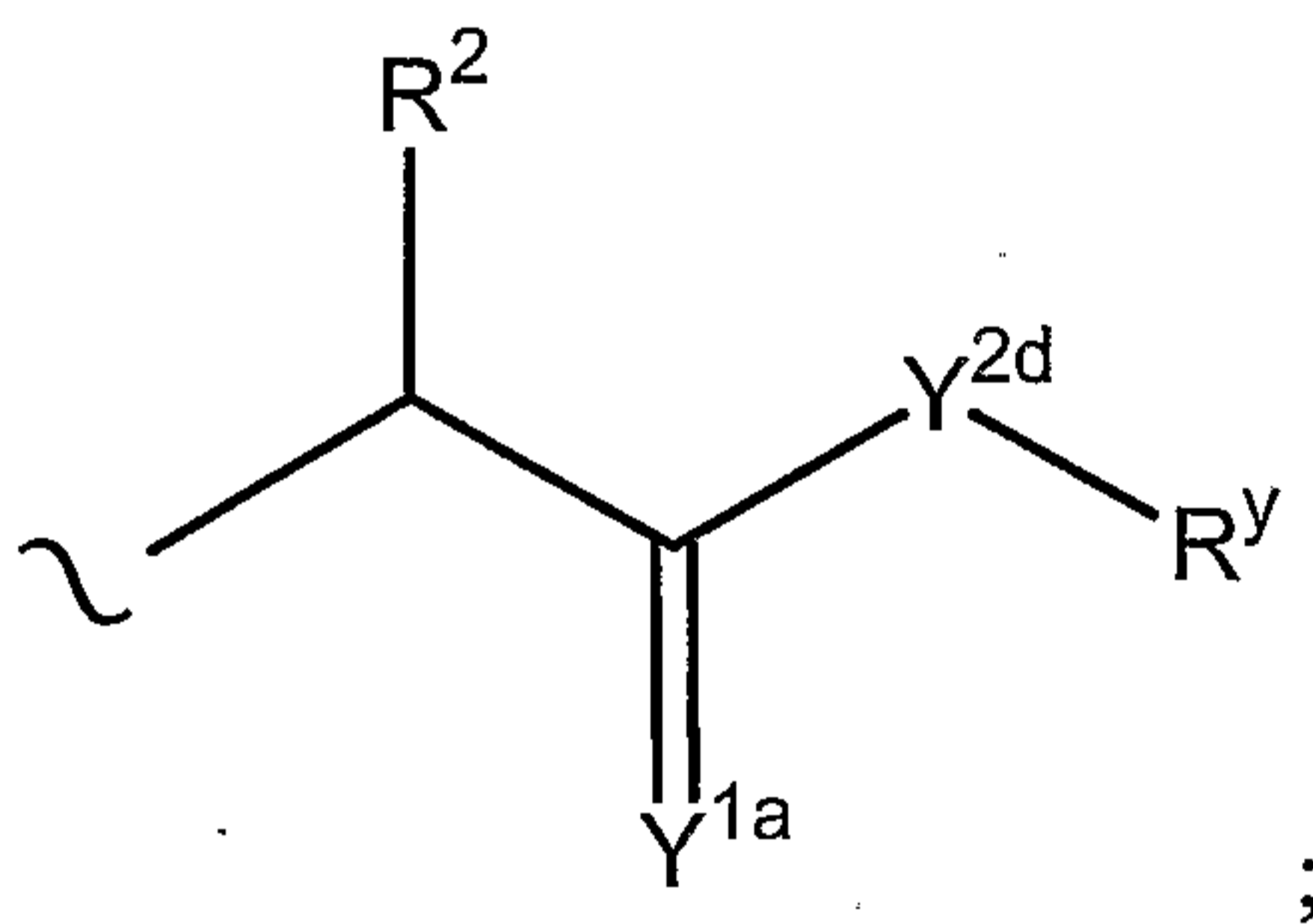
R<sup>2</sup> is independently H, R<sup>1</sup>, R<sup>3</sup> or R<sup>4</sup> wherein each R<sup>4</sup> is independently substituted with 0 to 3 R<sup>3</sup> groups or taken together at a carbon atom, two R<sup>2</sup> groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3 R<sup>3</sup> groups; wherein R<sup>3</sup> is as defined herein.

In a specific embodiment of the invention R<sup>x</sup> is of the formula:



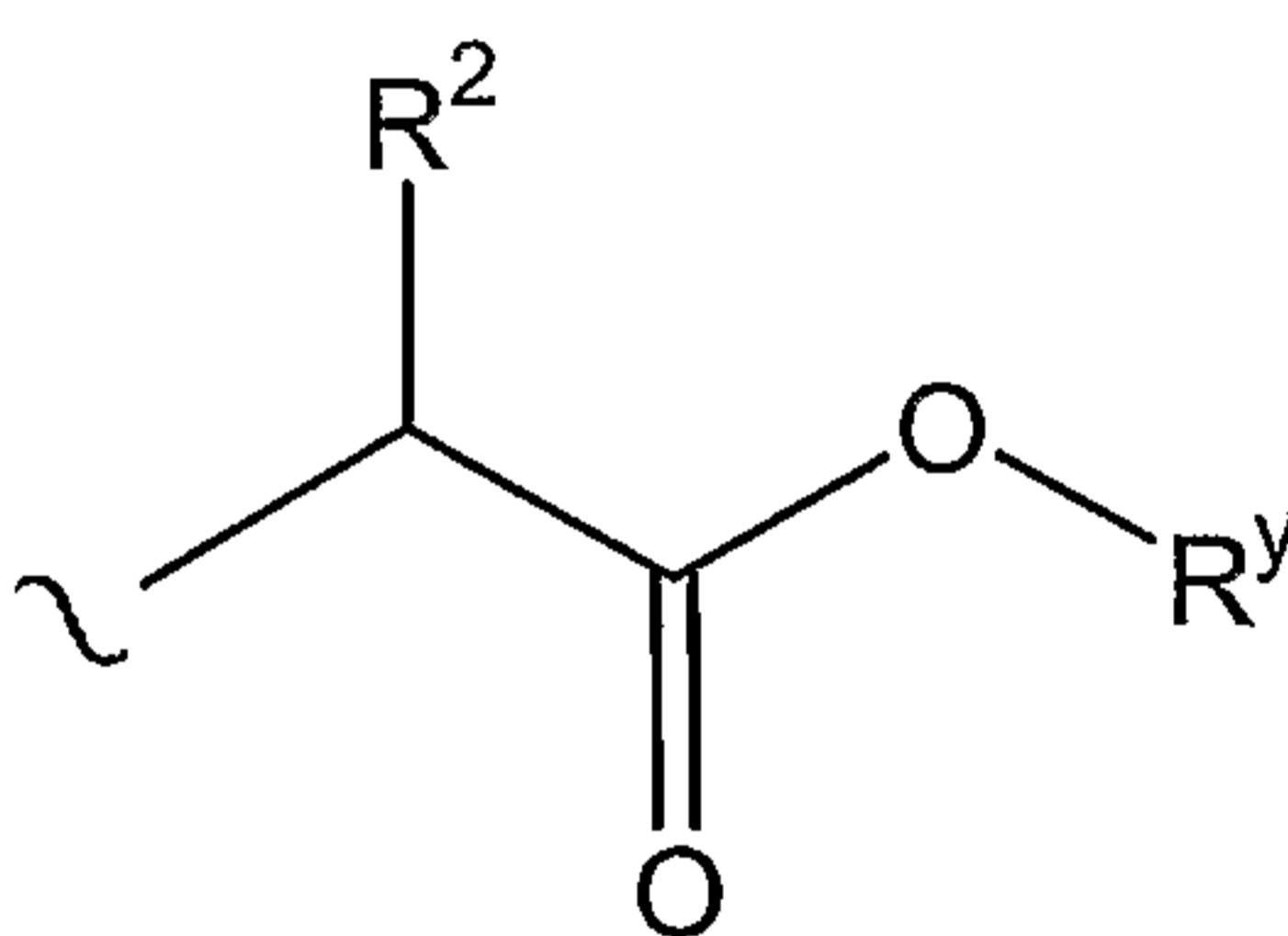
wherein Y<sup>1a</sup> is O or S; and Y<sup>2c</sup> is O, N(R<sup>y</sup>) or S.

10 In a specific embodiment of the invention R<sup>x</sup> is of the formula:



wherein Y<sup>1a</sup> is O or S; and Y<sup>2d</sup> is O or N(R<sup>y</sup>).

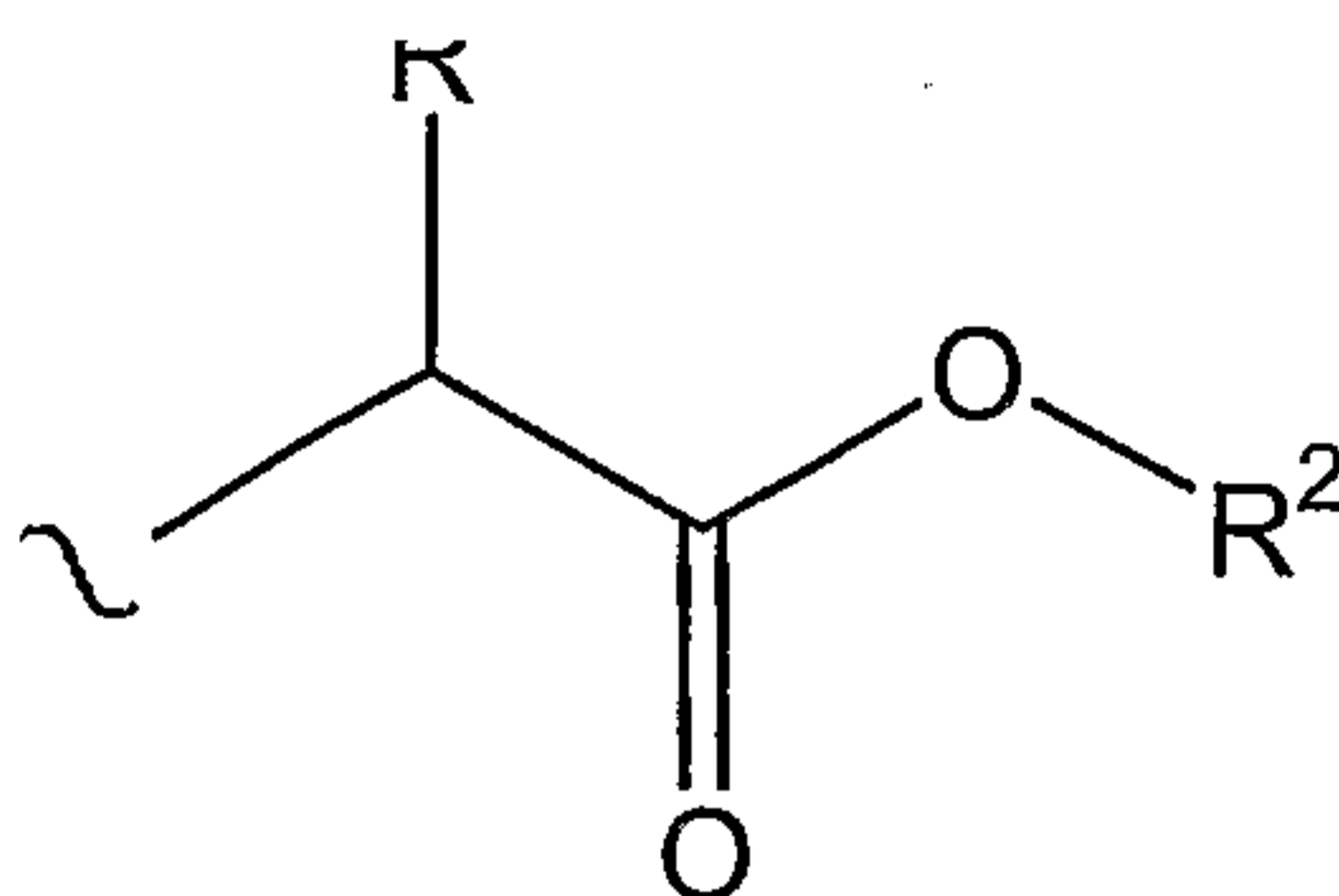
In a specific embodiment of the invention R<sup>x</sup> is of the formula:



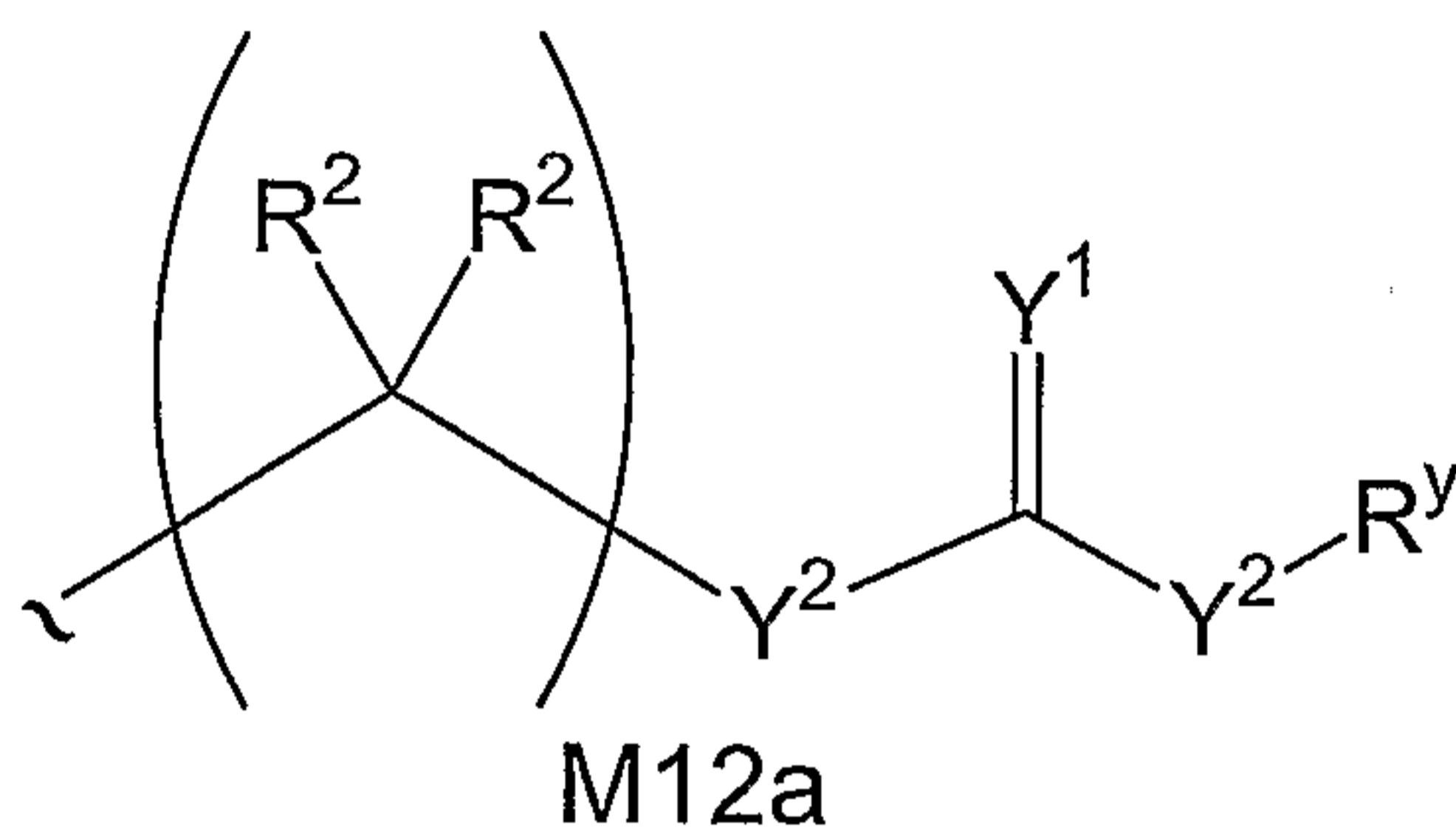
15

In a specific embodiment of the invention R<sup>y</sup> is hydrogen or alkyl of 1 to 10 carbons.

In a specific embodiment of the invention R<sup>x</sup> is of the formula:

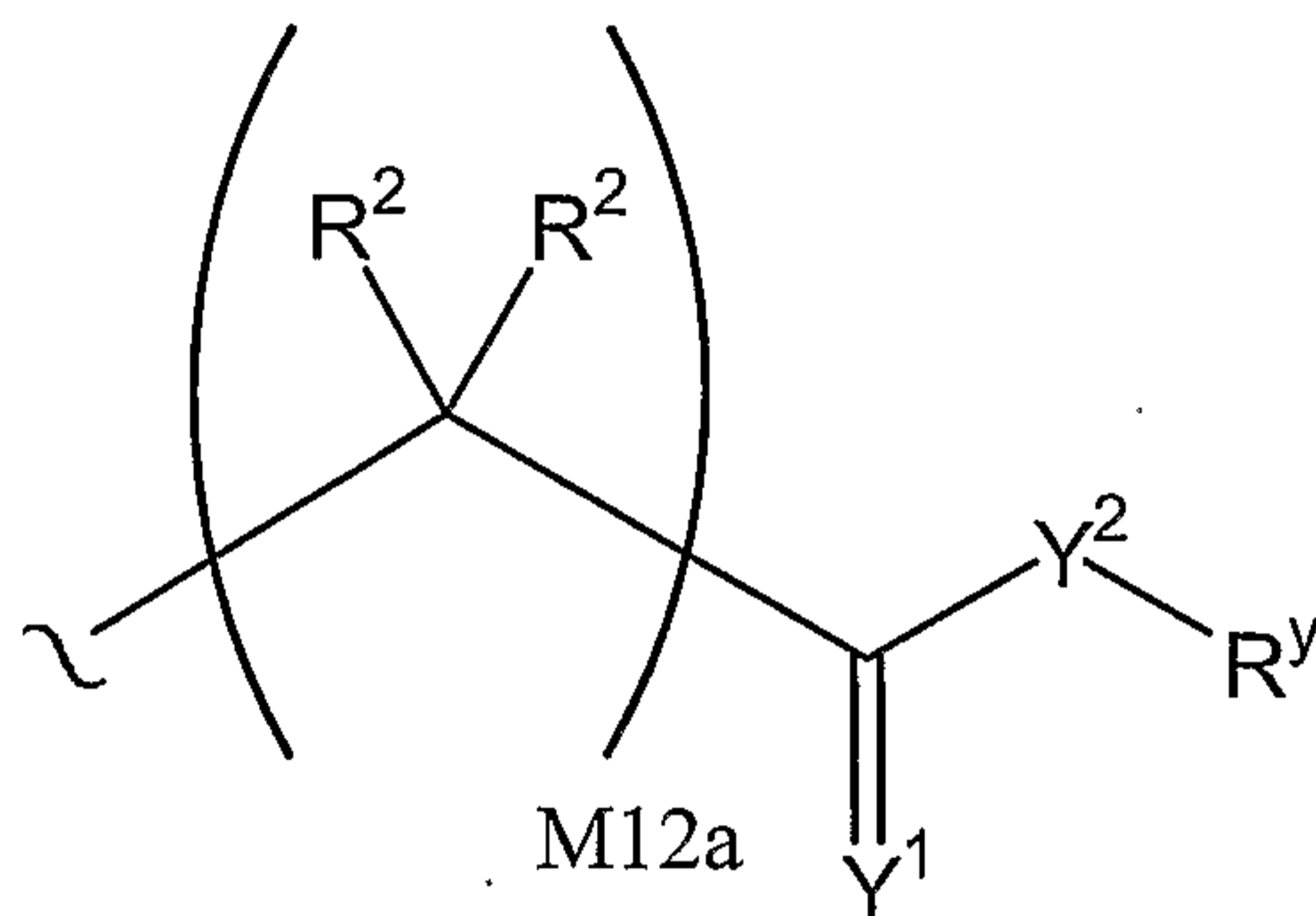


In a specific embodiment of the invention  $R^x$  is of the formula:



5

In a specific embodiment of the invention  $R^x$  is of the formula:

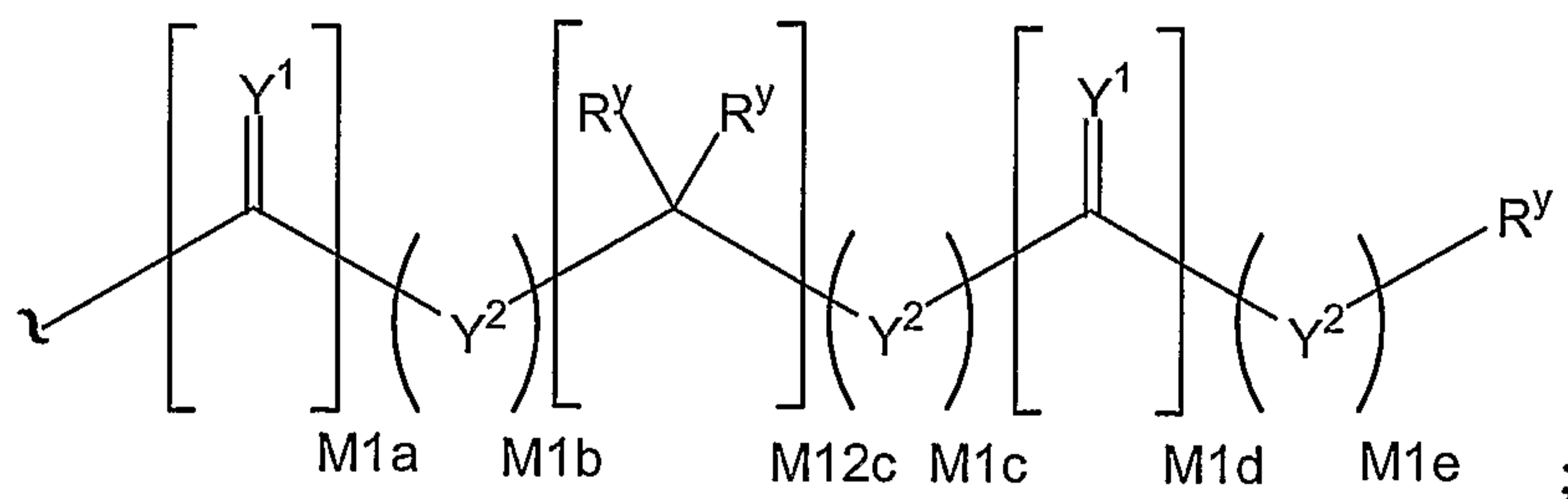


In a specific embodiment of the invention  $Y^1$  is O or S

10

In a specific embodiment of the invention  $Y^2$  is O,  $N(R^y)$  or S.

In one specific embodiment of the invention  $R^x$  is a group of the formula:



wherein:

15

$m1a, m1b, m1c, m1d$  and  $m1e$  are independently 0 or 1;

$m_{12c}$  is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$R^y$  is H,  $W^3$ ,  $R^2$  or a protecting group;

wherein  $W^3$ ,  $R^2$ ,  $Y^1$  and  $Y^2$  are as defined herein;

*provided that:*

- 5 if  $m_{1a}$ ,  $m_{12c}$ , and  $m_{1d}$  are 0, then  $m_{1b}$ ,  $m_{1c}$  and  $m_{1e}$  are 0;  
 if  $m_{1a}$  and  $m_{12c}$  are 0 and  $m_{1d}$  is not 0, then  $m_{1b}$  and  $m_{1c}$  are 0;  
 if  $m_{1a}$  and  $m_{1d}$  are 0 and  $m_{12c}$  is not 0, then  $m_{1b}$  and at least one of  $m_{1c}$  and  $m_{1e}$  are 0;  
 if  $m_{1a}$  is 0 and  $m_{12c}$  and  $m_{1d}$  are not 0, then  $m_{1b}$  is 0;  
 10 if  $m_{12c}$  and  $m_{1d}$  are 0 and  $m_{1a}$  is not 0, then at least two of  $m_{1b}$ ,  $m_{1c}$  and  $m_{1e}$  are 0;  
 if  $m_{12c}$  is 0 and  $m_{1a}$  and  $m_{1d}$  are not 0, then at least one of  $m_{1b}$  and  $m_{1c}$  are 0; and  
 if  $m_{1d}$  is 0 and  $m_{1a}$  and  $m_{12c}$  are not 0, then at least one of  $m_{1c}$  and  $m_{1e}$  are  
 15 0.

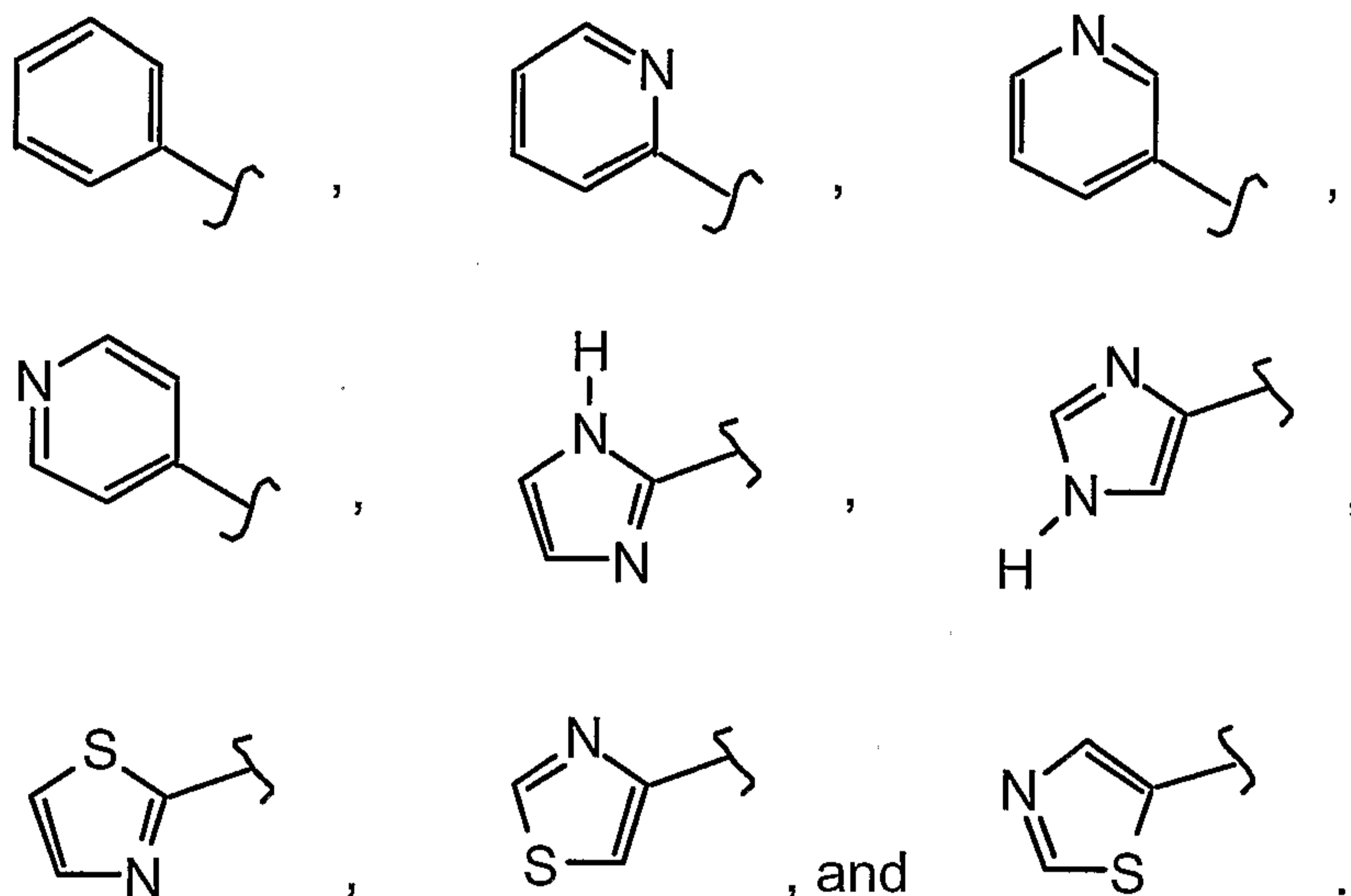
In compounds of the invention  $W^5$  carbocycles and  $W^5$  heterocycles may be independently substituted with 0 to 3  $R^2$  groups.  $W^5$  may be a saturated, unsaturated or aromatic ring comprising a mono- or bicyclic carbocycle or heterocycle.  $W^5$  may have 3 to 10 ring atoms, *e.g.*, 3 to 7 ring atoms. The  $W^5$  rings are saturated when  
 20 containing 3 ring atoms, saturated or mono-unsaturated when containing 4 ring atoms, saturated, or mono- or di-unsaturated when containing 5 ring atoms, and saturated, mono- or di-unsaturated, or aromatic when containing 6 ring atoms.

A  $W^5$  heterocycle may be a monocycle having 3 to 7 ring members (2 to 6 carbon atoms and 1 to 3 heteroatoms selected from N, O, P, and S) or a bicycle having  
 25 7 to 10 ring members (4 to 9 carbon atoms and 1 to 3 heteroatoms selected from N, O, P, and S).  $W^5$  heterocyclic monocycles may have 3 to 6 ring atoms (2 to 5 carbon atoms and 1 to 2 heteroatoms selected from N, O, and S); or 5 or 6 ring atoms (3 to 5 carbon atoms and 1 to 2 heteroatoms selected from N and S).  $W^5$  heterocyclic  
 bicycles have 7 to 10 ring atoms (6 to 9 carbon atoms and 1 to 2 heteroatoms selected  
 30 from N, O, and S) arranged as a bicyclo [4,5], [5,5], [5,6], or [6,6] system; or 9 to 10 ring atoms (8 to 9 carbon atoms and 1 to 2 hetero atoms selected from N and S) arranged as a bicyclo [5,6] or [6,6] system. The  $W^5$  heterocycle may be bonded to  $Y^2$  through a carbon, nitrogen, sulfur or other atom by a stable covalent bond.

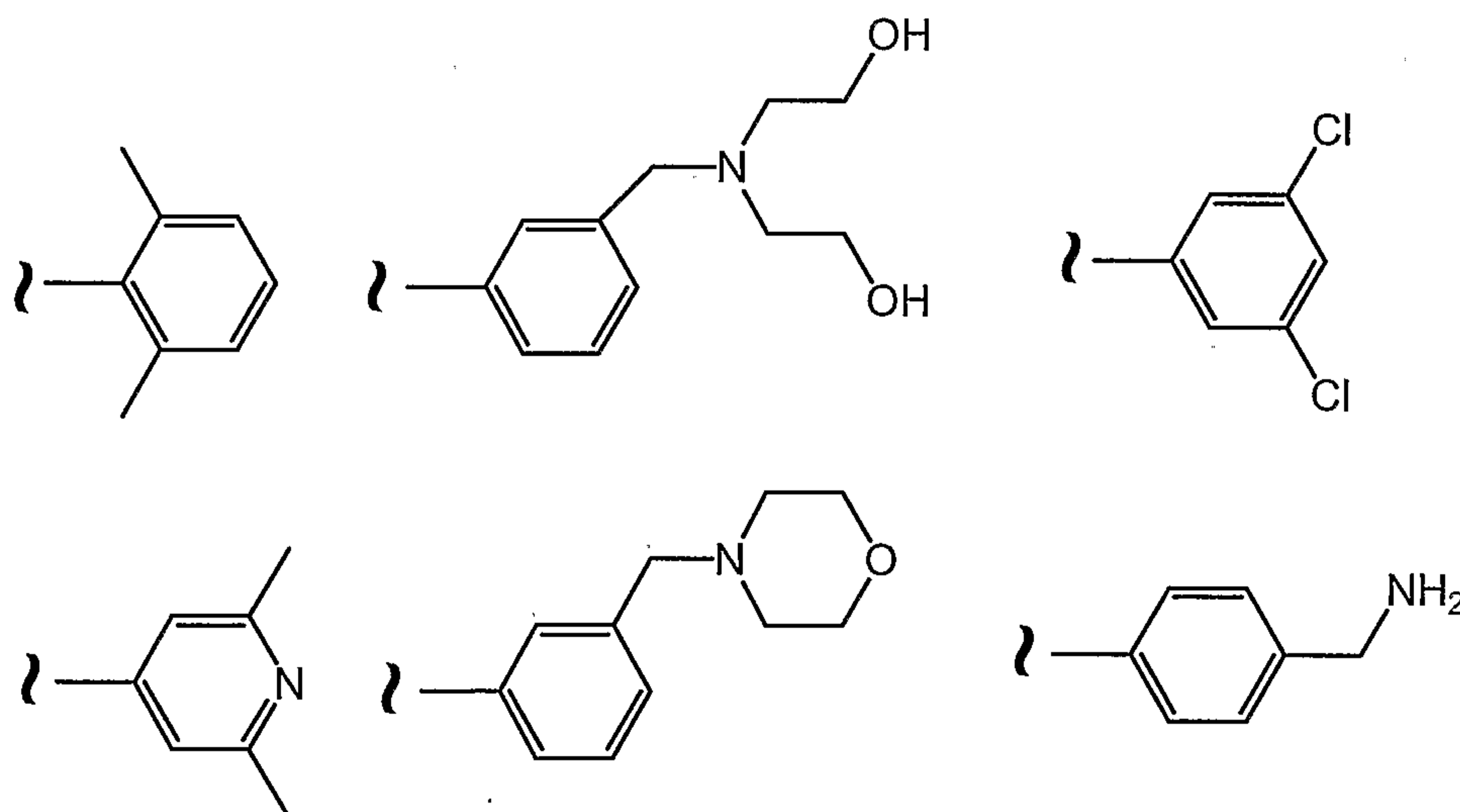


W<sup>5</sup> heterocycles include, for example, pyridyl, dihydropyridyl isomers, piperidine, pyridazinyl, pyrimidinyl, pyrazinyl, s-triazinyl, oxazolyl, imidazolyl, thiazolyl, isoxazolyl, pyrazolyl, isothiazolyl, furanyl, thiofuranyl, thienyl, and pyrrolyl. W<sup>5</sup> also includes, but is not limited to, examples such as:

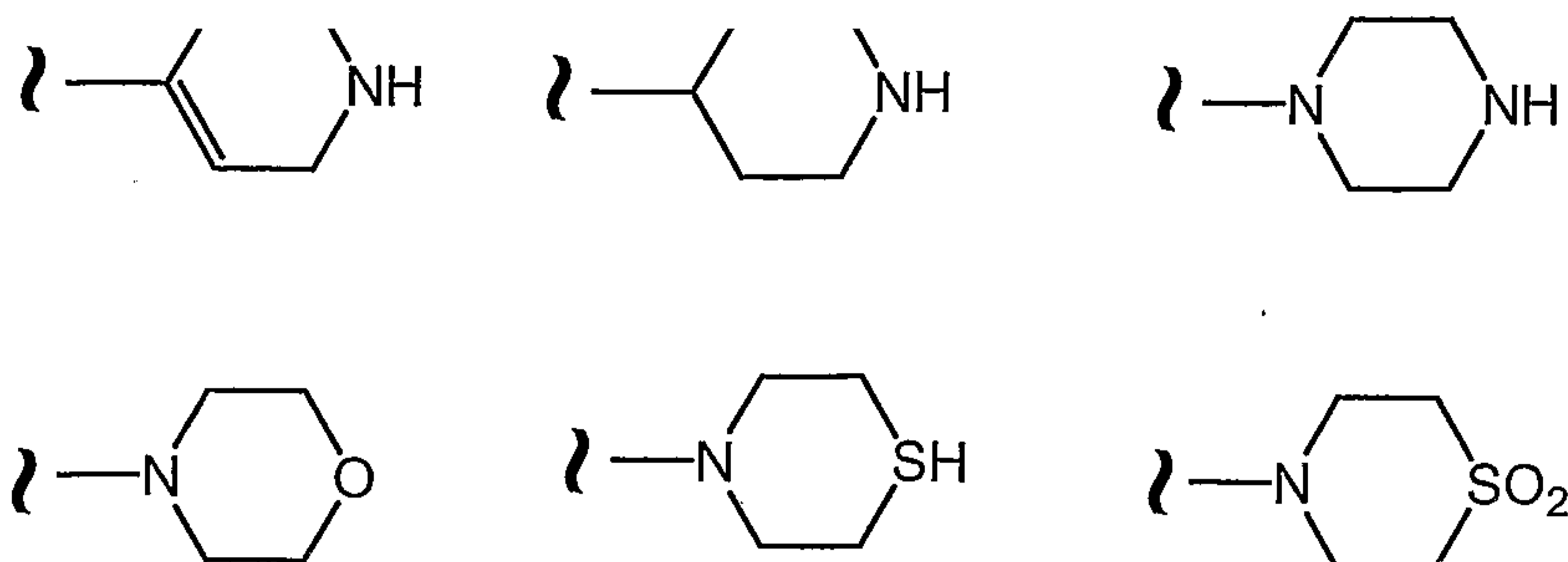
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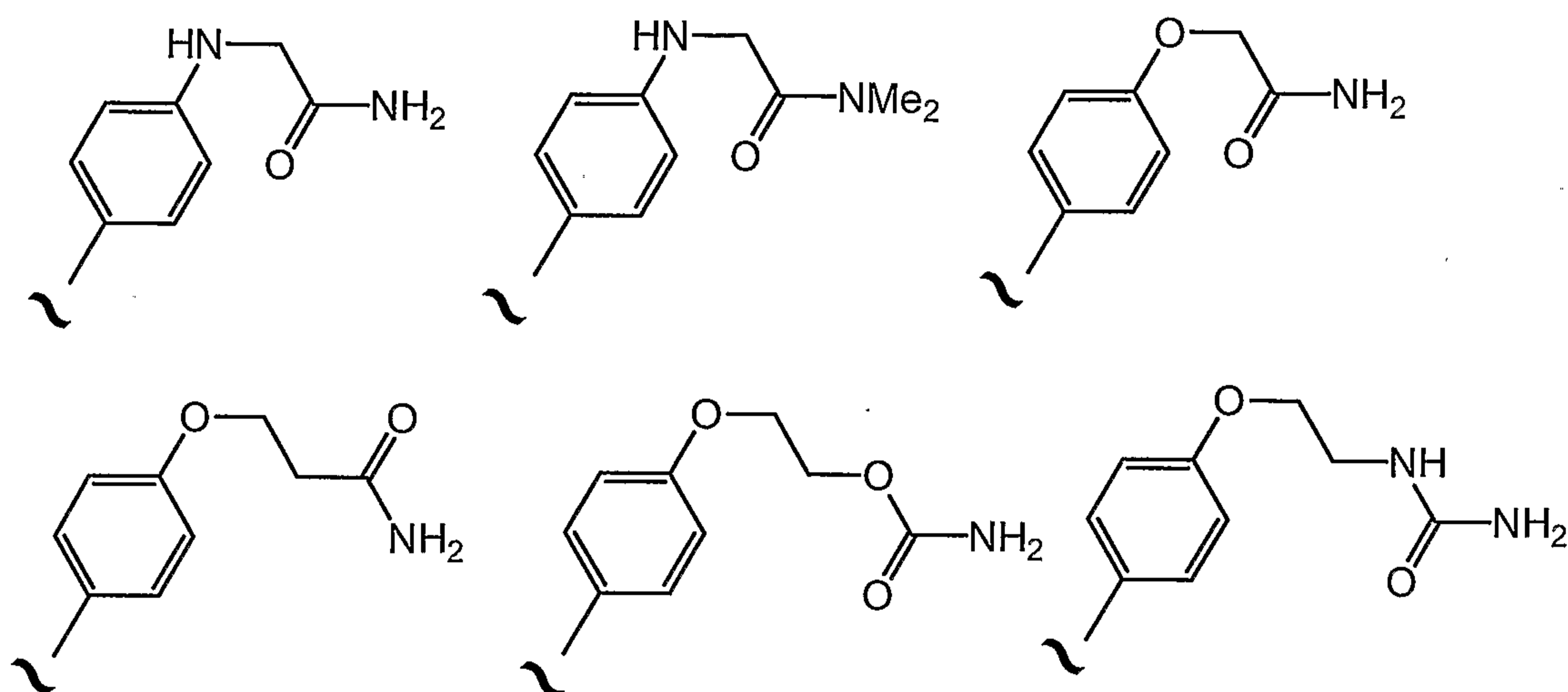
W<sup>5</sup> carbocycles and heterocycles may be independently substituted with 0 to 3 R<sup>2</sup> groups, as defined above. For example, substituted W<sup>5</sup> carbocycles include:



10



Examples of substituted phenyl carbocycles include:



5

### Linking Groups and Linkers

The invention provides conjugates that comprise an HIV inhibiting compound that is optionally linked to one or more phosphonate groups either directly (e.g. through a covalent bond) or through a linking group (i.e. a linker). The nature of the linker is not critical provided it does not interfere with the ability of the phosphonate containing compound to function as a therapeutic agent. The phosphonate or the linker can be linked to the compound (e.g. a compound of formula A) at any synthetically feasible position on the compound by removing a hydrogen or any portion of the compound to provide an open valence for attachment of the phosphonate or the linker.

In one embodiment of the invention the linking group or linker (which can be designated "L") can include all or a portions of the group  $A^0$ ,  $A^1$ ,  $A^2$ , or  $W^3$  described herein.

In another embodiment of the invention the linking group or linker has a molecular weight of from about 20 daltons to about 400 daltons.

In another embodiment of the invention the linking group or linker has a length of about 5 angstroms to about 300 angstroms.

5 In another embodiment of the invention the linking group or linker separates the DRUG and a P(=Y<sup>1</sup>) residue by about 5 angstroms to about 200 angstroms, inclusive, in length.

In another embodiment of the invention the linking group or linker is a divalent, branched or unbranched, saturated or unsaturated, hydrocarbon chain, 10 having from 2 to 25 carbon atoms, wherein one or more (*e.g.* 1, 2, 3, or 4) of the carbon atoms is optionally replaced by (-O-), and wherein the chain is optionally substituted on carbon with one or more (*e.g.* 1, 2, 3, or 4) substituents selected from (C<sub>1</sub>-C<sub>6</sub>)alkoxy, (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl, (C<sub>1</sub>-C<sub>6</sub>)alkanoyl, (C<sub>1</sub>-C<sub>6</sub>)alkanoyloxy, (C<sub>1</sub>-C<sub>6</sub>)alkoxycarbonyl, (C<sub>1</sub>-C<sub>6</sub>)alkylthio, azido, cyano, nitro, halo, hydroxy, oxo (=O), 15 carboxy, aryl, aryloxy, heteroaryl, and heteroaryloxy.

In another embodiment of the invention the linking group or linker is of the formula W-A wherein A is (C<sub>1</sub>-C<sub>24</sub>)alkyl, (C<sub>2</sub>-C<sub>24</sub>)alkenyl, (C<sub>2</sub>-C<sub>24</sub>)alkynyl, (C<sub>3</sub>-C<sub>8</sub>)cycloalkyl, (C<sub>6</sub>-C<sub>10</sub>)aryl or a combination thereof, wherein W is -N(R)C(=O)-, -C(=O)N(R)-, -OC(=O)-, -C(=O)O-, -O-, -S-, -S(O)-, -S(O)<sub>2</sub>-, -N(R)-, -C(=O)-, or a 20 direct bond; wherein each R is independently H or (C<sub>1</sub>-C<sub>6</sub>)alkyl.

In another embodiment of the invention the linking group or linker is a divalent radical formed from a peptide.

In another embodiment of the invention the linking group or linker is a divalent radical formed from an amino acid.

25 In another embodiment of the invention the linking group or linker is a divalent radical formed from poly-L-glutamic acid, poly-L-aspartic acid, poly-L-histidine, poly-L-ornithine, poly-L-serine, poly-L-threonine, poly-L-tyrosine, poly-L-leucine, poly-L-lysine-L-phenylalanine, poly-L-lysine or poly-L-lysine-L-tyrosine.

In another embodiment of the invention the linking group or linker is of the 30 formula W-(CH<sub>2</sub>)<sub>n</sub> wherein, n is between about 1 and about 10; and W is -N(R)C(=O)-, -C(=O)N(R)-, -OC(=O)-, -C(=O)O-, -O-, -S-, -S(O)-, -S(O)<sub>2</sub>-, -C(=O)-, -N(R)-, or a direct bond; wherein each R is independently H or (C<sub>1</sub>-C<sub>6</sub>)alkyl.

5 In another embodiment of the invention the linking group or linker is methylene, ethylene, or propylene.

In another embodiment of the invention the linking group or linker is attached to the phosphonate group through a carbon atom of the linker.

5

### Intracellular Targeting

The optionally incorporated phosphonate group of the compounds of the invention may cleave *in vivo* in stages after they have reached the desired site of action, *i.e.* inside a cell. One mechanism of action inside a cell may entail a first  
10 cleavage, *e.g.* by esterase, to provide a negatively-charged "locked-in" intermediate. Cleavage of a terminal ester grouping in a compound of the invention thus affords an unstable intermediate which releases a negatively charged "locked in" intermediate.

After passage inside a cell, intracellular enzymatic cleavage or modification of the phosphonate or prodrug compound may result in an intracellular accumulation of  
15 the cleaved or modified compound by a "trapping" mechanism. The cleaved or modified compound may then be "locked-in" the cell by a significant change in charge, polarity, or other physical property change which decreases the rate at which the cleaved or modified compound can exit the cell, relative to the rate at which it entered as the phosphonate prodrug. Other mechanisms by which a therapeutic effect  
20 are achieved may be operative as well. Enzymes which are capable of an enzymatic activation mechanism with the phosphonate prodrug compounds of the invention include, but are not limited to, amidases, esterases, microbial enzymes, phospholipases, cholinesterases, and phosphatases.

From the foregoing, it will be apparent that many different drugs can be  
25 derivatized in accord with the present invention. Numerous such drugs are specifically mentioned herein. However, it should be understood that the discussion of drug families and their specific members for derivatization according to this invention is not intended to be exhaustive, but merely illustrative.

### HIV-Inhibitory Compounds

30 The compounds of the invention include those with HIV-inhibitory activity. The compounds of the inventions optionally bear one or more (*e.g.* 1, 2, 3, or 4)

phosphonate groups, which may be a prodrug moiety.

The term "HIV-inhibitory compound" includes those compounds that inhibit HIV.

Typically, compounds of the invention have a molecular weight of from about  
5 400 amu to about 10,000 amu; in a specific embodiment of the invention, compounds  
have a molecular weight of less than about 5000 amu; in another specific embodiment  
of the invention, compounds have a molecular weight of less than about 2500 amu; in  
another specific embodiment of the invention, compounds have a molecular weight of  
less than about 1000 amu; in another specific embodiment of the invention,  
10 compounds have a molecular weight of less than about 800 amu; in another specific  
embodiment of the invention, compounds have a molecular weight of less than about  
600 amu; and in another specific embodiment of the invention, compounds have a  
molecular weight of less than about 600 amu and a molecular weight of greater than  
about 400 amu.

15 The compounds of the invention also typically have a logD(polarity) less than  
about 5. In one embodiment the invention provides compounds having a logD less  
than about 4; in another one embodiment the invention provides compounds having a  
logD less than about 3; in another one embodiment the invention provides compounds  
having a logD greater than about -5; in another one embodiment the invention  
20 provides compounds having a logD greater than about -3; and in another one  
embodiment the invention provides compounds having a logD greater than about 0  
and less than about 3.

Selected substituents within the compounds of the invention are present to a  
recursive degree. In this context, "recursive substituent" means that a substituent may  
25 recite another instance of itself. Because of the recursive nature of such substituents,  
theoretically, a large number may be present in any given embodiment. For example,  
 $R^x$  contains a  $R^y$  substituent.  $R^y$  can be  $R^2$ , which in turn can be  $R^3$ . If  $R^3$  is selected  
to be  $R^{3c}$ , then a second instance of  $R^x$  can be selected. One of ordinary skill in the art  
of medicinal chemistry understands that the total number of such substituents is  
30 reasonably limited by the desired properties of the compound intended. Such  
properties include, by of example and not limitation, physical properties such as  
molecular weight, solubility or log P, application properties such as activity against  
the intended target, and practical properties such as ease of synthesis.

By way of example and not limitation,  $W^3$ ,  $R^y$  and  $R^3$  are all recursive substituents in certain embodiments. Typically, each of these may independently occur 20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, or 0, times in a given embodiment. More typically, each of these may independently occur 12 or  
5 fewer times in a given embodiment. More typically yet,  $W^3$  will occur 0 to 8 times,  $R^y$  will occur 0 to 6 times and  $R^3$  will occur 0 to 10 times in a given embodiment. Even more typically,  $W^3$  will occur 0 to 6 times,  $R^y$  will occur 0 to 4 times and  $R^3$  will occur 0 to 8 times in a given embodiment.

Recursive substituents are an intended aspect of the invention. One of  
10 ordinary skill in the art of medicinal chemistry understands the versatility of such substituents. To the degree that recursive substituents are present in an embodiment of the invention, the total number will be determined as set forth above.

Whenever a compound described herein is substituted with more than one of the same designated group, *e.g.*, " $R^1$ " or " $R^{6a}$ ", then it will be understood that the  
15 groups may be the same or different, *i.e.*, each group is independently selected. Wavy lines indicate the site of covalent bond attachments to the adjoining groups, moieties, or atoms.

In one embodiment of the invention, the compound is in an isolated and purified form. Generally, the term "isolated and purified" means that the compound  
20 is substantially free from biological materials (*e.g.* blood, tissue, cells, etc.). In one specific embodiment of the invention, the term means that the compound or conjugate of the invention is at least about 50 wt.% free from biological materials; in another specific embodiment, the term means that the compound or conjugate of the invention is at least about 75 wt.% free from biological materials; in another specific  
25 embodiment, the term means that the compound or conjugate of the invention is at least about 90 wt.% free from biological materials; in another specific embodiment, the term means that the compound or conjugate of the invention is at least about 98 wt.% free from biological materials; and in another embodiment, the term means that the compound or conjugate of the invention is at least about 99 wt.% free from  
30 biological materials. In another specific embodiment, the invention provides a compound or conjugate of the invention that has been synthetically prepared (*e.g.*, *ex vivo*).

EXAMPLE 1

In one embodiment, the invention provides compounds capable of accumulating in human PBMC (peripheral blood mononuclear cells). PBMC refer to blood cells having round lymphocytes and monocytes. Physiologically, PBMC are critical components of the mechanism against infection. PBMC may be isolated from heparinized whole blood of normal healthy donors or buffy coats, by standard density gradient centrifugation and harvested from the interface, washed (*e.g.* phosphate-buffered saline) and stored in freezing medium. PBMC may be cultured in multi-well plates. At various times of culture, supernatant may be either removed for assessment, or cells may be harvested and analyzed (Smith R. *et al* (2003) *Blood* 102(7):2532-2540). The compounds of this embodiment may further comprise a phosphonate or phosphonate prodrug. More typically, the phosphonate or phosphonate prodrug can have the structure A<sup>3</sup> as described herein.

Typically, compounds of the invention demonstrate improved intracellular half-life of the compounds or intracellular metabolites of the compounds in human PBMC when compared to analogs of the compounds not having the phosphonate or phosphonate prodrug. Typically, the half-life is improved by at least about 50%, more typically at least in the range 50-100%, still more typically at least about 100%, more typically yet greater than about 100%.

In one embodiment of the invention the intracellular half-life of a metabolite of the compound in human PBMCs is improved when compared to an analog of the compound not having the phosphonate or phosphonate prodrug. In such embodiments, the metabolite may be generated intracellularly, *e.g.* generated within human PBMC. The metabolite may be a product of the cleavage of a phosphonate prodrug within human PBMCs. The optionally phosphonate-containing phosphonate prodrug may be cleaved to form a metabolite having at least one negative charge at physiological pH. The phosphonate prodrug may be enzymatically cleaved within human PBMC to form a phosphonate having at least one active hydrogen atom of the form P-OH.

30 Stereoisomers

The compounds of the invention may have chiral centers, *e.g.*, chiral carbon or phosphorus atoms. The compounds of the invention thus include racemic mixtures of

all stereoisomers, including enantiomers, diastereomers, and atropisomers. In addition, the compounds of the invention include enriched or resolved optical isomers at any or all asymmetric, chiral atoms. In other words, the chiral centers apparent from the depictions are provided as the chiral isomers or racemic mixtures. Both  
5 racemic and diastereomeric mixtures, as well as the individual optical isomers isolated or synthesized, substantially free of their enantiomeric or diastereomeric partners, are all within the scope of the invention. The racemic mixtures are separated into their individual, substantially optically pure isomers through well-known techniques such as, for example, the separation of diastereomeric salts formed with optically active  
10 adjuncts, *e.g.*, acids or bases followed by conversion back to the optically active substances. In most instances, the desired optical isomer is synthesized by means of stereospecific reactions, beginning with the appropriate stereoisomer of the desired starting material.

The compounds of the invention can also exist as tautomeric isomers in certain  
15 cases. All though only one delocalized resonance structure may be depicted, all such forms are contemplated within the scope of the invention. For example, ene-amine tautomers can exist for purine, pyrimidine, imidazole, guanidine, amidine, and tetrazole systems and all their possible tautomeric forms are within the scope of the invention.

## 20 Salts and Hydrates

The compositions of this invention optionally comprise salts of the compounds herein, especially pharmaceutically acceptable non-toxic salts containing, for example,  $\text{Na}^+$ ,  $\text{Li}^+$ ,  $\text{K}^+$ ,  $\text{Ca}^{+2}$  and  $\text{Mg}^{+2}$ . Such salts may include those derived by combination of appropriate cations such as alkali and alkaline earth metal ions or  
25 ammonium and quaternary amino ions with an acid anion moiety, typically a carboxylic acid. Monovalent salts are preferred if a water soluble salt is desired.

Metal salts typically are prepared by reacting the metal hydroxide with a compound of this invention. Examples of metal salts which are prepared in this way are salts containing  $\text{Li}^+$ ,  $\text{Na}^+$ , and  $\text{K}^+$ . A less soluble metal salt can be precipitated  
30 from the solution of a more soluble salt by addition of the suitable metal compound.

In addition, salts may be formed from acid addition of certain organic and inorganic acids, *e.g.*, HCl, HBr,  $\text{H}_2\text{SO}_4$ ,  $\text{H}_3\text{PO}_4$  or organic sulfonic acids, to basic



compounds, typically amines, or to acidic groups. Finally, it is to be understood that the compositions herein comprise compounds of the invention in their un-ionized, as well as zwitterionic form, and combinations with stoichiometric amounts of water as in hydrates.

5 Also included within the scope of this invention are the salts of the parental compounds with one or more amino acids. Any of the amino acids described above are suitable, especially the naturally-occurring amino acids found as protein components, although the amino acid typically is one bearing a side chain with a basic or acidic group, *e.g.*, lysine, arginine or glutamic acid, or a neutral group such as  
10 glycine, serine, threonine, alanine, isoleucine, or leucine.

#### Methods of Inhibition of HIV

Another aspect of the invention relates to methods of inhibiting the activity of HIV comprising the step of treating a sample suspected of containing HIV with a composition of the invention.

15 Compositions of the invention may act as inhibitors of HIV, as intermediates for such inhibitors or have other utilities as described below. The inhibitors will generally bind to locations on the surface or in a cavity of the liver. Compositions binding in the liver may bind with varying degrees of reversibility. Those compounds binding substantially irreversibly are ideal candidates for use in this method of the  
20 invention. Once labeled, the substantially irreversibly binding compositions are useful as probes for the detection of HIV. Accordingly, the invention relates to methods of detecting NS3 in a sample suspected of containing HIV comprising the steps of: treating a sample suspected of containing HIV with a composition comprising a compound of the invention bound to a label; and observing the effect of  
25 the sample on the activity of the label. Suitable labels are well known in the diagnostics field and include stable free radicals, fluorophores, radioisotopes, enzymes, chemiluminescent groups and chromogens. The compounds herein are labeled in conventional fashion using functional groups such as hydroxyl or amino.

30 Within the context of the invention samples suspected of containing HIV include natural or man-made materials such as living organisms; tissue or cell cultures; biological samples such as biological material samples (blood, serum, urine, cerebrospinal fluid, tears, sputum, saliva, tissue samples, and the like); laboratory

product samples such as extracts of cells, particularly recombinant cells synthesizing a desired glycoprotein; and the like.

Typically the sample will be suspected of containing HIV. Samples can be contained in any medium including water and organic solvent/water mixtures. Samples include  
5 living organisms such as humans, and man made materials such as cell cultures.

The treating step of the invention comprises adding the composition of the invention to the sample or it comprises adding a precursor of the composition to the sample. The addition step comprises any method of administration as described above.

10 If desired, the activity of HIV after application of the composition can be observed by any method including direct and indirect methods of detecting HIV activity. Quantitative, qualitative, and semiquantitative methods of determining HIV activity are all contemplated. Typically one of the screening methods described  
15 above are applied, however, any other method such as observation of the physiological properties of a living organism are also applicable.

Many organisms contain HIV. The compounds of this invention are useful in the treatment or prophylaxis of conditions associated with HIV activation in animals or in man.

20 However, in screening compounds capable of inhibiting HIV it should be kept in mind that the results of enzyme assays may not correlate with cell culture assays. Thus, a cell based assay should be the primary screening tool.

#### Screens for HIV Inhibitors

25 Compositions of the invention are screened for inhibitory activity against HIV by any of the conventional techniques for evaluating enzyme activity. Within the context of the invention, typically compositions are first screened for inhibition of HIV *in vitro* and compositions showing inhibitory activity are then screened for activity *in vivo*. Compositions having *in vitro*  $K_i$  (inhibitory constants) of less than about  $5 \times 10^{-6}$  M, typically less than about  $1 \times 10^{-7}$  M and preferably less than about  
30  $5 \times 10^{-8}$  M are preferred for *in vivo* use.

Useful *in vitro* screens have been described in detail.

#### Pharmaceutical Formulations

THE COMPOUNDS OF THIS INVENTION are formulated with conventional carriers and excipients, which will be selected in accord with ordinary practice. Tablets will contain excipients, glidants, fillers, binders and the like. Aqueous formulations are prepared in sterile form, and when intended for delivery by other than oral  
5 administration generally will be isotonic. All formulations will optionally contain excipients such as those set forth in the Handbook of Pharmaceutical Excipients (1986). Excipients include ascorbic acid and other antioxidants, chelating agents such as EDTA, carbohydrates such as dextrin, hydroxyalkylcellulose, hydroxyalkylmethylcellulose, stearic acid and the like. The pH of the formulations  
10 ranges from about 3 to about 11, but is ordinarily about 7 to 10.

While it is possible for the active ingredients to be administered alone it may be preferable to present them as pharmaceutical formulations. The formulations, both for veterinary and for human use, of the invention comprise at least one active ingredient, as above defined, together with one or more acceptable carriers therefor  
15 and optionally other therapeutic ingredients. The carrier(s) must be "acceptable" in the sense of being compatible with the other ingredients of the formulation and physiologically innocuous to the recipient thereof.

The formulations include those suitable for the foregoing administration routes. The formulations may conveniently be presented in unit dosage form and may  
20 be prepared by any of the methods well known in the art of pharmacy. Techniques and formulations generally are found in Remington's Pharmaceutical Sciences (Mack Publishing Co., Easton, PA). Such methods include the step of bringing into association the active ingredient with the carrier which constitutes one or more accessory ingredients. In general the formulations are prepared by uniformly and  
25 intimately bringing into association the active ingredient with liquid carriers or finely divided solid carriers or both, and then, if necessary, shaping the product.

Formulations of the present invention suitable for oral administration may be presented as discrete units such as capsules, cachets or tablets each containing a predetermined amount of the active ingredient; as a powder or granules; as a solution  
30 or a suspension in an aqueous or non-aqueous liquid; or as an oil-in-water liquid emulsion or a water-in-oil liquid emulsion. The active ingredient may also be administered as a bolus, electuary or paste.

A tablet is made by compression or molding, optionally with one or more

Compressed tablets may be prepared by compressing in a suitable machine the active ingredient in a free-flowing form such as a powder or granules, optionally mixed with a binder, lubricant, inert diluent, preservative, surface active or dispersing agent. Molded tablets may be made by molding in a suitable machine a mixture of the powdered active ingredient moistened with an inert liquid diluent. The tablets may optionally be coated or scored and optionally are formulated so as to provide slow or controlled release of the active ingredient therefrom.

For administration to the eye or other external tissues *e.g.*, mouth and skin, the formulations are preferably applied as a topical ointment or cream containing the active ingredient(s) in an amount of, for example, 0.075 to 20% w/w (including active ingredient(s) in a range between 0.1% and 20% in increments of 0.1% w/w such as 0.6% w/w, 0.7% w/w, etc.), preferably 0.2 to 15% w/w and most preferably 0.5 to 10% w/w. When formulated in an ointment, the active ingredients may be employed with either a paraffinic or a water-miscible ointment base. Alternatively, the active ingredients may be formulated in a cream with an oil-in-water cream base.

If desired, the aqueous phase of the cream base may include, for example, at least 30% w/w of a polyhydric alcohol, *i.e.* an alcohol having two or more hydroxyl groups such as propylene glycol, butane 1,3-diol, mannitol, sorbitol, glycerol and polyethylene glycol (including PEG 400) and mixtures thereof. The topical formulations may desirably include a compound which enhances absorption or penetration of the active ingredient through the skin or other affected areas. Examples of such dermal penetration enhancers include dimethyl sulphoxide and related analogs.

The oily phase of the emulsions of this invention may be constituted from known ingredients in a known manner. While the phase may comprise merely an emulsifier (otherwise known as an emulgent), it desirably comprises a mixture of at least one emulsifier with a fat or an oil or with both a fat and an oil. Preferably, a hydrophilic emulsifier is included together with a lipophilic emulsifier which acts as a stabilizer. It is also preferred to include both an oil and a fat. Together, the emulsifier(s) with or without stabilizer(s) make up the so-called emulsifying wax, and the wax together with the oil and fat make up the so-called emulsifying ointment base which forms the oily dispersed phase of the cream formulations.

Emulgents and emulsion stabilizers suitable for use in the formulation of the

invention include Tween<sup>SM</sup> 60, Span<sup>SM</sup> 80, cetostearyl alcohol, benzyl alcohol, myristyl alcohol, glyceryl mono-stearate and sodium lauryl sulfate.

The choice of suitable oils or fats for the formulation is based on achieving the desired cosmetic properties. The cream should preferably be a non-greasy, non-staining and washable product with suitable consistency to avoid leakage from tubes or other containers. Straight or branched chain, mono- or dibasic alkyl esters such as di-isoadipate, isocetyl stearate, propylene glycol diester of coconut fatty acids, isopropyl myristate, decyl oleate, isopropyl palmitate, butyl stearate, 2-ethylhexyl palmitate or a blend of branched chain esters known as Crodamol CAP may be used, the last three being preferred esters. These may be used alone or in combination depending on the properties required. Alternatively, high melting point lipids such as white soft paraffin and/or liquid paraffin or other mineral oils are used.

Pharmaceutical formulations according to the present invention comprise one or more compounds of the invention together with one or more pharmaceutically acceptable carriers or excipients and optionally other therapeutic agents.

Pharmaceutical formulations containing the active ingredient may be in any form suitable for the intended method of administration. When used for oral use for example, tablets, troches, lozenges, aqueous or oil suspensions, dispersible powders or granules, emulsions, hard or soft capsules, syrups or elixirs may be prepared. Compositions intended for oral use may be prepared according to any method known to the art for the manufacture of pharmaceutical compositions and such compositions may contain one or more agents including sweetening agents, flavoring agents, coloring agents and preserving agents, in order to provide a palatable preparation. Tablets containing the active ingredient in admixture with non-toxic pharmaceutically acceptable excipient which are suitable for manufacture of tablets are acceptable. These excipients may be, for example, inert diluents, such as calcium or sodium carbonate, lactose, lactose monohydrate, croscarmellose sodium, povidone, calcium or sodium phosphate; granulating and disintegrating agents, such as maize starch, or alginic acid; binding agents, such as cellulose, microcrystalline cellulose, starch, gelatin or acacia; and lubricating agents, such as magnesium stearate, stearic acid or talc. Tablets may be uncoated or may be coated by known techniques including microencapsulation to delay disintegration and adsorption in the gastrointestinal tract

and thereby provide a sustained action over a longer period. For example, a time delay material such as glyceryl monostearate or glyceryl distearate alone or with a wax may be employed.

Formulations for oral use may be also presented as hard gelatin capsules  
5 where the active ingredient is mixed with an inert solid diluent, for example calcium phosphate or kaolin, or as soft gelatin capsules wherein the active ingredient is mixed with water or an oil medium, such as peanut oil, liquid paraffin or olive oil.

Aqueous suspensions of the invention contain the active materials in admixture with excipients suitable for the manufacture of aqueous suspensions. Such  
10 excipients include a suspending agent, such as sodium carboxymethylcellulose, methylcellulose, hydroxypropyl methylcellulose, sodium alginate, polyvinylpyrrolidone, gum tragacanth and gum acacia, and dispersing or wetting agents such as a naturally occurring phosphatide (*e.g.*, lecithin), a condensation product of an alkylene oxide with a fatty acid (*e.g.*, polyoxyethylene stearate), a  
15 condensation product of ethylene oxide with a long chain aliphatic alcohol (*e.g.*, heptadecaethyleneoxycetanol), a condensation product of ethylene oxide with a partial ester derived from a fatty acid and a hexitol anhydride (*e.g.*, polyoxyethylene sorbitan monooleate). The aqueous suspension may also contain one or more preservatives such as ethyl or n-propyl p-hydroxy-benzoate, one or more coloring agents, one or  
20 more flavoring agents and one or more sweetening agents, such as sucrose or saccharin.

Oil suspensions may be formulated by suspending the active ingredient in a vegetable oil, such as arachis oil, olive oil, sesame oil or coconut oil, or in a mineral oil such as liquid paraffin. The oral suspensions may contain a thickening agent, such  
25 as beeswax, hard paraffin or cetyl alcohol. Sweetening agents, such as those set forth above, and flavoring agents may be added to provide a palatable oral preparation. These compositions may be preserved by the addition of an antioxidant such as ascorbic acid.

Dispersible powders and granules of the invention suitable for preparation of  
30 an aqueous suspension by the addition of water provide the active ingredient in admixture with a dispersing or wetting agent, a suspending agent, and one or more preservatives. Suitable dispersing or wetting agents and suspending agents are

Additional excipients, for example sweetening, flavoring and coloring agents, may also be present.

The pharmaceutical compositions of the invention may also be in the form of oil-in-water emulsions. The oily phase may be a vegetable oil, such as olive oil or arachis oil, a mineral oil, such as liquid paraffin, or a mixture of these. Suitable emulsifying agents include naturally-occurring gums, such as gum acacia and gum tragacanth, naturally occurring phosphatides, such as soybean lecithin, esters or partial esters derived from fatty acids and hexitol anhydrides, such as sorbitan monooleate, and condensation products of these partial esters with ethylene oxide, such as polyoxyethylene sorbitan monooleate. The emulsion may also contain sweetening and flavoring agents. Syrups and elixirs may be formulated with sweetening agents, such as glycerol, sorbitol or sucrose. Such formulations may also contain a demulcent, a preservative, a flavoring or a coloring agent.

The pharmaceutical compositions of the invention may be in the form of a sterile injectable preparation, such as a sterile injectable aqueous or oleaginous suspension. This suspension may be formulated according to the known art using those suitable dispersing or wetting agents and suspending agents which have been mentioned above. The sterile injectable preparation may also be a sterile injectable solution or suspension in a non-toxic parenterally acceptable diluent or solvent, such as a solution in 1,3-butane-diol or prepared as a lyophilized powder. Among the acceptable vehicles and solvents that may be employed are water, Ringer's solution and isotonic sodium chloride solution. In addition, sterile fixed oils may conventionally be employed as a solvent or suspending medium. For this purpose any bland fixed oil may be employed including synthetic mono- or diglycerides. In addition, fatty acids such as oleic acid may likewise be used in the preparation of injectables.

The amount of active ingredient that may be combined with the carrier material to produce a single dosage form will vary depending upon the host treated and the particular mode of administration. For example, a time-release formulation intended for oral administration to humans may contain approximately 1 to 1000 mg of active material compounded with an appropriate and convenient amount of carrier material which may vary from about 5 to about 95% of the total compositions (weight:weight). The pharmaceutical composition can be prepared to provide easily

suitable amounts for administration. For example, an aqueous solution intended for intravenous infusion may contain from about 3 to 500  $\mu\text{g}$  of the active ingredient per milliliter of solution in order that infusion of a suitable volume at a rate of about 30 mL/hr can occur.

5           Formulations suitable for administration to the eye include eye drops wherein the active ingredient is dissolved or suspended in a suitable carrier, especially an aqueous solvent for the active ingredient. The active ingredient is preferably present in such formulations in a concentration of 0.5 to 20%, advantageously 0.5 to 10% particularly about 1.5% w/w.

10           Formulations suitable for topical administration in the mouth include lozenges comprising the active ingredient in a flavored basis, usually sucrose and acacia or tragacanth; pastilles comprising the active ingredient in an inert basis such as gelatin and glycerin, or sucrose and acacia; and mouthwashes comprising the active ingredient in a suitable liquid carrier.

15           Formulations for rectal administration may be presented as a suppository with a suitable base comprising for example cocoa butter or a salicylate.

            Formulations suitable for intrapulmonary or nasal administration have a particle size for example in the range of 0.1 to 500 microns (including particle sizes in a range between 0.1 and 500 microns in increments microns such as 0.5, 1, 30  
20   microns, 35 microns, etc.), which is administered by rapid inhalation through the nasal passage or by inhalation through the mouth so as to reach the alveolar sacs. Suitable formulations include aqueous or oily solutions of the active ingredient. Formulations suitable for aerosol or dry powder administration may be prepared according to conventional methods and may be delivered with other therapeutic  
25   agents such as compounds heretofore used in the treatment or prophylaxis of conditions associated with HIV activity.

            Formulations suitable for vaginal administration may be presented as pessaries, tampons, creams, gels, pastes, foams or spray formulations containing in addition to the active ingredient such carriers as are known in the art to be  
30   appropriate.

            Formulations suitable for parenteral administration include aqueous and non-aqueous sterile injection solutions which may contain anti-oxidants, buffers, bacteriostats and solutes which render the formulation isotonic with the blood of the



....., and aqueous and non aqueous sterile suspensions which may include suspending agents and thickening agents.

The formulations are presented in unit-dose or multi-dose containers, for example sealed ampoules and vials, and may be stored in a freeze-dried (lyophilized) condition requiring only the addition of the sterile liquid carrier, for example water for injection, immediately prior to use. Extemporaneous injection solutions and suspensions are prepared from sterile powders, granules and tablets of the kind previously described. Preferred unit dosage formulations are those containing a daily dose or unit daily sub-dose, as herein above recited, or an appropriate fraction thereof, of the active ingredient.

It should be understood that in addition to the ingredients particularly mentioned above the formulations of this invention may include other agents conventional in the art having regard to the type of formulation in question, for example those suitable for oral administration may include flavoring agents.

The invention further provides veterinary compositions comprising at least one active ingredient as above defined together with a veterinary carrier therefor.

Veterinary carriers are materials useful for the purpose of administering the composition and may be solid, liquid or gaseous materials which are otherwise inert or acceptable in the veterinary art and are compatible with the active ingredient. These veterinary compositions may be administered orally, parenterally or by any other desired route.

Compounds of the invention can also be formulated to provide controlled release of the active ingredient to allow less frequent dosing or to improve the pharmacokinetic or toxicity profile of the active ingredient. Accordingly, the invention also provided compositions comprising one or more compounds of the invention formulated for sustained or controlled release.

Effective dose of active ingredient depends at least on the nature of the condition being treated, toxicity, whether the compound is being used prophylactically (lower doses), the method of delivery, and the pharmaceutical formulation, and will be determined by the clinician using conventional dose escalation studies. It can be expected to be from about 0.0001 to about 100 mg/kg body weight per day. Typically, from about 0.01 to about 10 mg/kg body weight per day. More typically, from about .01 to about 5 mg/kg body weight per day. More

approximately, from about 0.5 to about 0.5 mg/kg body weight per day. For example, the daily candidate dose for an adult human of approximately 70 kg body weight will range from 1 mg to 1000 mg, preferably between 5 mg and 500 mg, and may take the form of single or multiple doses.

## 5 Routes of Administration

One or more compounds of the invention (herein referred to as the active ingredients) are administered by any route appropriate to the condition to be treated. Suitable routes include oral, rectal, nasal, topical (including buccal and sublingual), vaginal and parenteral (including subcutaneous, intramuscular, intravenous, 10 intradermal, intrathecal and epidural), and the like. It will be appreciated that the preferred route may vary with for example the condition of the recipient. An advantage of the compounds of this invention is that they are orally bioavailable and can be dosed orally.

## Combination Therapy

15 The compounds of the invention may be employed in combination with other therapeutic agents for the treatment or prophylaxis of the infections or conditions indicated above. Examples of such further therapeutic agents include agents that are effective for the treatment or prophylaxis of viral, parasitic or bacterial infections or associated conditions or for treatment of tumors or related conditions include 3'-azido- 20 3'-deoxythymidine (zidovudine, AZT), 2'-deoxy-3'-thiacytidine (3TC), 2',3'-dideoxy-2',3'-dideoxyadenosine (D4A), 2',3'-dideoxy-2',3'-didehydrothymidine (D4T), carbovir (carbocyclic 2',3'-dideoxy-2',3'-didehydroguanosine), 3'-azido-2',3'-dideoxyuridine, 5-fluorothymidine, (E)-5-(2-bromovinyl)-2'-deoxyuridine (BVDU), 2-chlorodeoxyadenosine, 2-deoxycoformycin, 5-fluorouracil, 5-fluorouridine, 5- 25 fluoro-2'-deoxyuridine, 5-trifluoromethyl-2'-deoxyuridine, 6-azauridine, 5-fluoroorotic acid, methotrexate, triacetyluridine, 1-(2'-deoxy-2'-fluoro-1- $\beta$ -arabinosyl)-5-iodocytidine (FIAC), tetrahydro-imidazo(4,5, 1-jk)-(1,4)-benzodiazepin-2(1H)-thione (TIBO), 2'-nor-cyclicGMP, 6-methoxypurine arabinoside (ara-M), 6-methoxypurine arabinoside 2'-O-valerate, cytosine arabinoside (ara-C), 30 2',3'-dideoxynucleosides such as 2',3'-dideoxycytidine (ddC), 2',3'-dideoxyadenosine (ddA) and 2',3'-dideoxyinosine (ddI), acyclic nucleosides such as acyclovir,

PMPDAP, HPMPDAP, (2R, 5R)-9- $\beta$ -D-ribofuranosyladenine, (2R, 5R)-1- $\beta$ -D-ribofuranosylthymine, other antivirals including ribavirin (adenine arabinoside), 2-thio-6-azauridine,

5 tubercidin, aurintricarboxylic acid, 3-deazaneoplanocin, neoplanocin, rimantidine, adamantine, and foscarnet (trisodium phosphonoformate), antibacterial agents including bactericidal fluoroquinolones (ciprofloxacin, pefloxacin and the like), aminoglycoside bactericidal antibiotics (streptomycin, gentamicin, ampicillin and the like)  $\beta$ -lactamase inhibitors (cephalosporins, penicillins and the like), other

10 antibacterials including tetracycline, isoniazid, rifampin, cefoperazone, clarithromycin and azithromycin, antiparasite or antifungal agents including pentamidine (1,5-bis(4'-aminophenoxy)pentane), 9-deaza-inosine, sulfamethoxazole, sulfadiazine, quinapyramine, quinine, fluconazole, ketoconazole, itraconazole, Amphotericin B, 5-fluorocytosine, clotrimazole, hexadecylphosphocholine and nystatin, renal excretion

15 inhibitors such as probenecid, nucleoside transport inhibitors such as dipyridamole, dilazep and nitrobenzylthioinosine, immunomodulators such as FK506, cyclosporin A, thymosin  $\alpha$ -1, cytokines including TNF and TGF- $\beta$ , interferons including IFN- $\alpha$ , IFN- $\beta$ , and IFN- $\gamma$ , interleukins including various interleukins, macrophage/granulocyte colony stimulating factors including GM-CSF, G-CSF, M-

20 CSF, cytokine antagonists including anti-TNF antibodies, anti-interleukin antibodies, soluble interleukin receptors, protein kinase C inhibitors and the like.

In addition, the therapeutic agents disclosed in Tables 98 and 99 directed to HIV may be used in combination with compounds of the present invention. For example, Table 98 discloses exemplary HIV/AIDS therapeutics, and Table 99

25 discloses Exemplary HIV Antivirals with their corresponding U.S. Patent numbers.

Table 98 – Exemplary HIV/AIDS Therapeutics

 Highest Phase	Code Name	Generic Name	Brand Name	Therapeutic Group	Mechanism of Action Group	Organization
Launched-1987	AZT BW-A509U Cpd S	Azidothymidine Zidovudine	AZTEC Retrovir	Anti-HIV Agents	Reverse Transcriptase Inhibitors	GlaxoSmithKline (Originator)
Launched-1992	NSC-606170	Dideoxycytidine	Hivid	Anti-HIV Agents	Reverse Transcriptase	National Cancer Institute (US)

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					Inhibitors	(Originator)
	Ro-24-2027/000 Ro-242027	Zalcitabine				Roche
Launched-1994	ddC ddCyd BMY-27857	Sanilvudine	Zerit	Anti-HIV Agents	Reverse Transcriptase Inhibitors	Bristol-Myers Squibb (Originator)
	DTH	Stavudine		Chemical Delivery Systems		INSERM (Originator)
Launched-1991	d4T ddeThd BMY-40900	Didanosine	Videx	Anti-HIV Agents	Reverse Transcriptase Inhibitors	Bristol-Myers Squibb (Originator)
	DDI	Dideoxyinosine				Bristol-Myers Squibb (Orphan Drug)
	NSC-612049					
	d2I					
Launched-1989	ddlno rIL-2	Aldesleukin	Macrolin	Anti-HIV Agents	IL-2	Chiron (Originator)
	rhIL-2	Recombinant interleukin-2	Proleukin	Breast Cancer Therapy		Nat. Inst. Allergy & Infectious Dis.
				Immunostimulants		
				Leukemia Therapy Melanoma Therapy Myelodysplastic Syndrome Therapy Myeloid Leukemia Therapy Non-Hodgkin's Lymphoma Therapy Renal Cancer Therapy		
Launched-1995	R-56	Saquinavir mesilate	Fortovase	Anti-HIV Agents	HIV Protease Inhibitors	Chugai Pharmaceutical (Originator)
	Ro-31-8959/003		Invirase			Chugai Pharmaceutical

				Fortovase (soft gel capsules)		(Orphan Drug) Roche (Originator)
Launched- 1989		Human leukocyte interferon alpha	Alferon LDO	Anti- Cytomegalovirus Drugs		Guangdong
		Interferon alfa-n3 (human leukocyte derived)	Alferon N Gel	Anti-HIV Agents		HemispheRx
			Alferon N Injection	Anti-Hepatitis C Virus Drugs		Interferon Sciences (Originator)
			Altemol	Anti-Papilloma Virus Drugs		
			Cellferon	Antiviral Drugs		
				Genital Warts, Treatment for Multiple Sclerosis, Agents for Oncolytic Drugs Severe Acute Respiratory Syndrome (SARS), Treatment of Treatment of Female Sexual Dysfunction		
Launched- 1996	BI-RG-587  BIRG-0587	Nevirapine	Viramune	Anti-HIV Agents	Reverse Transcriptase Inhibitors	Boehringer Ingelheim (Originator) Nippon Boehringer Ingelheim  Roxane
Launched- 1999	1592U89 sulfate	Abacavir sulfate	Ziagen	Anti-HIV Agents	Reverse Transcriptase Inhibitors	GlaxoSmithKline (Originator) GlaxoSmithKline (Orphan Drug)

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		Immunoadhesin		AIDS Medicines		Genentech (Originator)
	rCD4-IgG	Recombinant CD4- immunoglobulin G		Immunomodulat ors		Nat. Inst. Allergy & Infectious Dis.
Launched- 1995	(-)-BCH-189	Recombinant soluble CD4- immunoglobulin G	3TC	Agents for Liver Cirrhosis	Reverse Transcriptase Inhibitors	GlaxoSmithKline
	(-)-SddC	Lamivudine	Epivir	Anti-HIV Agents		Shire BioChem (Originator)
	3TC		Epivir- HBV	Anti-Hepatitis B Virus Drugs		
	GG-714		Heptodin			
	GR- 109714X		Heptovir			
	BCH-790 (fomer code)		Lamivir			
			Zeffix			
			Zefix			
Phase II	KNI-272	Kynostatin-272		Anti-HIV Agents	HIV Protease Inhibitors	Japan Energy (Originator)
Launched- 2003	NSC- 651714 (-)-FTC	Emtricitabine	Coviracil	Anti-HIV Agents	Reverse Transcriptase Inhibitors	Emory University (Originator) Gilead
	524W91		Emtriva	Anti-Hepatitis B Virus Drugs		Japan Tobacco
Launched- 1997	BW- 524W91 U-90152S	Delavirdine mesilate	Rescriptor	Anti-HIV Agents	Reverse Transcriptase Inhibitors	Agouron Pfizer (Originator) Pfizer (Orphan Drug)
Pre-Registered	AG-1661	HIV-1 Immunogen	Remune	AIDS Vaccines		Immune Response (Originator)
	RG-83894					Roemmers
Launched- 1996	RG-83894- 103 L-735524 MK-639	Indinavir sulfate	Crixivan	Anti-HIV Agents	HIV Protease Inhibitors	Trinity Medical Group Banyu Merck & Co. (Originator)

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		phosphonate		Anti-HIV Agents	Reverse Transcriptase Inhibitors	Russian Academy of Sciences (Originator)
		Nicavir				
Phase II	NSC-675451	Phosphazid (+)-Calanolide A		Anti-HIV Agents	Reverse Transcriptase Inhibitors	Advanced Life Sciences
	NSC-664737 (racemate)	Calanolide A		Treatment of Tuberculosis		Sarawak MediChem US Department of Health & Human Services (Originator)
Phase II	5A8			Anti-HIV Agents	Anti-CD4	Biogen Idec (Originator)
	Hu-5A8				Humanized Monoclonal Antibodies	Tanox
	TNX-355				Viral Entry Inhibitors	
Launched-1999	141W94 KVX-478 VX-478	Amprenavir	Agenerase Prozei	Anti-HIV Agents	HIV Protease Inhibitors	GlaxoSmithKline Kissei Vertex (Originator)
Launched-1998	DMP-266 L-743726	Efavirenz	Stocrin Sustiva	Anti-HIV Agents	Reverse Transcriptase Inhibitors	Banyu Banyu (Orphan Drug)
	L-743725 ((+)-enantiomer) L-741211 (racemate)					Bristol-Myers Squibb (Originator)
Launched-1996	A-84538 ABT-538	Ritonavir	Norvir	Anti-HIV Agents	HIV Protease Inhibitors	Abbott (Originator) Dainippon Pharmaceutical
Launched-1997	AG-1343 LY-312857	Nelfinavir mesilate	Viracept	Anti-HIV Agents	HIV Protease Inhibitors	Agouron (Originator) Japan Tobacco
	AG-1346 (free base)					Mitsubishi Pharma
Phase III	PRO-2000 PRO-2000/5			Anti-HIV Agents	Viral Entry Inhibitors	Roche Indevus
				Microbicides		Medical Research Council
Phase III	Gd-Tex	Gadolinium texaphyrin	Xcytrin	Anti-HIV Agents		Paligent (Originator) National Cancer Institute

	PCI-0120	gadolinium		Antineoplastic Enhancing Agents Brain Cancer Therapy Glioblastoma Multiforme Therapy Head and Neck Cancer Therapy		Pharmacocyclics (Originator)
				Lung Cancer Therapy Lymphocytic Leukemia Therapy Multiple Myeloma Therapy		
				Non-Hodgkin's Lymphoma Therapy Non-Small Cell Lung Cancer Therapy		
				Radiosensitizers		
				Renal Cancer Therapy		
				Solid Tumors Therapy		
Launched-2003	DP-178	Enfuvirtide	Fuzeon	Anti-HIV Agents	Viral Fusion Inhibitors	Duke University (Originator)
	R-698	Pentafuside				Roche
	T-20					Trimeris (Originator)
Phase II	BC-IL	Buffy coat interleukins	MultiKine	AIDS Medicines Cancer Immunotherapy Cervical Cancer Therapy Head and Neck Cancer Therapy Prostate Cancer Therapy		Cel-Sci (Originator) University of Maryland



				Anti-HIV Agents	Viral Fusion Inhibitors	EMD Lexigen (Originator)
Phase II	AXD-455	Semapimod hydrochloride		Anti-HIV Agents	Deoxyhypusine Synthase Inhibitors	Fuji Photo Film (Originator) Axxima
	CNI-1493			Antipsoriatics	Mitogen-Activated Protein Kinase (MAPK) Inhibitors	Cytokine PharmaSciences
				Inflammatory Bowel Disease, Agents for	Nitric Oxide Synthase Inhibitors	Picower Institute for Medical Research (Originator)
				Pancreatic Disorders, Treatment of		
				Renal Cancer Therapy		
Phase II	ALVAC MN120 TMGMP			AIDS Vaccines		ANRS
	ALVAC vCP205					Merck & Co.
	vCP205					Nat. Inst. Allergy & Infectious Dis.
						Sanofi Pasteur (Originator)
						Virogenetics (Originator)
						Walter Reed Army Institute
Phase I/II	CY-2301		Theradigm-HIV	AIDS Vaccines		Epimmune (Originator)
	EP HIV-1090			DNA Vaccines		IDM
	EP-1090					Nat. Inst. Allergy & Infectious Dis.
Phase II	CD4-IgG2			Anti-HIV Agents	Viral Entry Inhibitors	National Institutes of Health Epicyte

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						Formatech
						GTC Biotherapeutics
Phase I	UC-781			Anti-HIV Agents	Reverse Transcriptase Inhibitors	Progenics (Originator) Biosyn
				Microbicides		Cellegy
Preclinical			ProVax	AIDS Vaccines		Uniroyal (Originator) University of Pittsburgh (Originator) Progenics (Originator)
Phase II	ACH- 126443	Elvucitabine		Anti-HIV Agents	DNA Polymerase Inhibitors	Achillion
	L-D4FC			Anti-Hepatitis B Virus Drugs	Reverse Transcriptase Inhibitors	Vion
	beta-L-Fd4C					Yale University (Originator)
Preclinical	CV-N	Cyanovirin N		Anti-HIV Agents	Viral Entry Inhibitors	Biosyn
				Microbicides		National Cancer Institute (US) (Originator)
Launched- 2005	PNU- 140690 U-140690	Tipranavir	Aptivus	Anti-HIV Agents	HIV Protease Inhibitors	Boehringer Ingelheim Pfizer (Originator)
	PNU- 140690E (diNa salt)					
Phase I/II	ADA	Azodicarbonami de		Anti-HIV Agents		National Cancer Institute (US) (Originator)
	NSC- 674447					Rega Institute for Medical Research (Originator)
Launched- 2001	Bis(POC)PM PA	Tenofovir disoproxil fumarate	Viread	AIDS Medicines	Reverse Transcriptase Inhibitors	Gilead (Originator)
	GS-4331-05			Anti-HIV Agents		Japan Tobacco Japan Tobacco (Orphan Drug)
Phase II	PA-457			Anti-HIV Agents	Viral Maturation Inhibitors	Biotech Research Laboratories (Originator)

							Panacos
							University North Carolina, Chapel Hill (Originator)
Phase II	SP-01		Anticort	Anti-HIV Agents	HMG-CoA Reductase mRNA Expression Inhibitors		ViroLogic Altachem
	SP-01A			Oncolytic Drugs	Viral Entry Inhibitors		Georgetown University (Originator)
							Samaritan Pharmaceuticals
Launched-2003	BMS-232632-05 CGP-73547	Atazanavir sulfate	Reyataz	Anti-HIV Agents	HIV Protease Inhibitors		Bristol-Myers Squibb Bristol-Myers Squibb (Orphan Drug)
Launched-1997	BMS-232632 (free base) AZT/3TC	Lamivudine/Zidovudine	Combivir	Anti-HIV Agents	Reverse Transcriptase Inhibitors		Novartis (Originator) GlaxoSmithKline (Originator)
		Zidovudine/Lamivudine					
Phase III	AIDSVAX B/B			AIDS Vaccines			Genentech (Originator)
	AIDSVAX gp120 B/B						Nat. Inst. Allergy & Infectious Dis. VaxGen
Phase II	(-)-BCH-10652 (-)-dOTC			Anti-HIV Agents	Reverse Transcriptase Inhibitors		Avexa Shire Pharmaceuticals (Originator)
	AVX-754 BCH-10618						

Phase II	D-D4FC		Reverset	Anti-HIV Agents	DNA Polymerase Inhibitors Reverse Transcriptase Inhibitors	Bristol-Myers Squibb (Originator) Incyte
	DPC-817					
	RVT					Pharmasset
Phase I/II	beta-D-D4FC			AIDS Vaccines		Virax (Originator)
Preclinical	VIR-201			Anti-HIV Agents	Antimitotic Drugs Apoptosis Inducers	Paradigm Pharmaceuticals Parker Hughes Institute (Originator)
	DDE-46			Oncolytic Drugs		
	WHI-07					
				Vaginal Spermicides	Caspase 3 Activators	
					Caspase 8 Activators Caspase 9 Activators Microtubule inhibitors	
Preclinical	HI-113	Sampidine		Anti-HIV Agents	Reverse Transcriptase Inhibitors	Parker Hughes Institute (Originator)
	STAMP	Stampidine				
	d4T-pBPMAP					
Preclinical	WHI-05			Anti-HIV Agents		Paradigm Pharmaceuticals
				Vaginal Spermicides		Parker Hughes Institute (Originator)
Preclinical	1F7			Anti-HIV Agents	Murine Monoclonal Antibodies	ImmPheron
	CTB-1			Anti-Hepatitis C Virus Drugs		Immune Network
	MAb 1F7					InNexus Sidney Kimmel Cancer Center (Originator) University of British Columbia
IND Filed	MDI-P			Anti-HIV Agents		Dana-Farber Cancer Institute

			Antibacterial Drugs		Medical Discoveries (Originator)
			Asthma Therapy		
			Cystic Fibrosis, Treatment of		
			Septic Shock, Treatment of		
Phase I	PA-14		Anti-HIV Agents	Anti-CD195 (CCR5)	Epicyte
	PRO-140			Humanized Monoclonal Antibodies	Progenics (Originator)
				Viral Entry Inhibitors	Protein Design Labs
Phase II	EpiBr	Immunitin	Anti-HIV Agents		Colthurst (Originator)
	HE-2000	Inactivin	Anti-Hepatitis B Virus Drugs		Edenland
			Anti-Hepatitis C Virus Drugs		Hollis-Eden (Originator)
			Antimalarials		
			Cystic Fibrosis, Treatment of		
			Immunomodulat ors		
			Treatment of Tuberculosis		
Phase II	ALVAC vCP1452		AIDS Vaccines		ANRS
	vCP1452				Nat. Inst. Allergy & Infectious Dis.
					Sanofi Pasteur (Originator) Virogenetics (Originator)
Phase II	(±)-FTC	Racivir	Anti-HIV Agents		Pharmasset (Originator)

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				Anti-Hepatitis B Virus Drugs		
Phase III		Cellulose sulfate Ushercell		Female Contraceptives Microbicides	Viral Entry Inhibitors	Polydex (Originator)
Phase I	SF-2 rgp120			AIDS Vaccines		Chiron (Originator)
	rgp120 SF-2					Nat. Inst. Allergy & Infectious Dis.
Phase I	MIV-150			Anti-HIV Agents Microbicides	Reverse Transcriptase Inhibitors	Medivir (Originator) Population Council
Phase I/II			Cytolin	Anti-HIV Agents	Anti- CD11a/CD18 (LFA-1)	Amerimmune (Originator)
Phase III	10D1 mAb			Anti-HIV Agents	Murine Monoclonal Antibodies	Cytodyn
	Anti-CTLA-4 MAb			Breast Cancer Therapy	Anti-CD152 (CTLA-4) Human Monoclonal Antibodies	Bristol-Myers Squibb Medarex (Originator)
	MDX-010			Head and Neck Cancer Therapy		Medarex (Orphan Drug)
	MDX- CTLA4			Melanoma Therapy		National Cancer Institute
	MDX-101 (formerly)			Prostate Cancer Therapy		
				Renal Cancer Therapy		
Phase II/III	1018-ISS			AIDS Medicines	Oligonucleotid es	Dynavax (Originator)
	ISS-1018			Antiallergy/Antia sthmatic Drugs		Gilead
				Drugs for Allergic Rhinitis		Sanofi Pasteur
				Immunomodulat ors		
				Non-Hodgkin's Lymphoma Therapy		

				Vaccine adjuvants		
Phase I/II	HGTV43		Stealth Vector	Anti-HIV Agents		Enzo (Originator)
				Gene Delivery Systems		
Phase II	R-147681	Dapivirine		Anti-HIV Agents	Reverse Transcriptase Inhibitors	IPM
	TMC-120			Microbicides		Janssen (Originator) Tibotec (Originator)
Phase II	DPC-083			Anti-HIV Agents	Reverse Transcriptase Inhibitors	Bristol-Myers Squibb (Originator) GlaxoSmithKline (Originator)
Launched-2000		Lamivudine/zidovudine/abacavir sulfate	Trizivir	Anti-HIV Agents		
Launched-2003	908	Fosamprenavir calcium	Lexiva	Anti-HIV Agents	HIV Protease Inhibitors	GlaxoSmithKline (Originator)
	GW-433908G		Telzir	Chemical Delivery Systems		Vertex (Originator)
	GW-433908 (free acid)					
	VX-175 (free acid)					
Phase I		DNA HIV vaccine		AIDS Vaccines		GlaxoSmithKline
		PowderJect HIV DNA vaccine				PowderMed (Originator)
Phase III	PC-515		Carraguard	Microbicides		Population Council (Originator)
Phase II	R-165335	Etravirine		Anti-HIV Agents	Reverse Transcriptase Inhibitors	Janssen (Originator)
	TMC-125					Tibotec (Originator)
Preclinical	SP-1093V			Anti-HIV Agents	DNA Polymerase Inhibitors Reverse Transcriptase Inhibitors	McGill University Supratek (Originator)
Phase III	AIDSVAX B/E AIDSVAX gp120 B/E			AIDS Vaccines		Genentech (Originator) VaxGen
Launched-2000	ABT-378/r	Lopinavir/ritonavir	Kaletra	Anti-HIV Agents	HIV Protease Inhibitors	Walter Reed Army Institute Abbott (Originator)

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	378/ritonavir		Severe Acute Respiratory Syndrome (SARS), Treatment of Anti-HIV Agents		Gilead
Phase I	BCH-13520		Reverse Transcriptase Inhibitors		Shire Pharmaceuticals (Originator)
Phase I/II	SPD-756 BAY-50-4798	Adargileukin alfa	Anti-HIV Agents Immunomodulators	IL-2	Bayer (Originator)
Phase I	204937		Oncolytic Drugs Anti-HIV Agents	Reverse Transcriptase Inhibitors	GlaxoSmithKline
Phase III	MIV-210		Anti-Hepatitis B Virus Drugs		Medivir (Originator)
Phase I	Ad5-FLgag Ad5-gag		Microbicides Vaginal Spermicides		Johns Hopkins University (Originator) National Institutes of Health ReProtect (Originator) Merck & Co. (Originator)
Phase III	ALVAC E120TMG		AIDS Vaccines		Nat. Inst. Allergy & Infectious Dis.
	ALVAC vCP1521				Sanofi Pasteur (Originator)
	vCP1521				Virogenetics (Originator)
Phase II	MVA-BN Nef MVA-HIV-1 LAI-nef MVA-nef		AIDS Vaccines		Walter Reed Army Institute Bavarian Nordic (Originator)
Phase I	DNA/MVA SHIV-89.6	Multiprotein DNA/MVA vaccine	AIDS Vaccines		Emory University (Originator)



						GeoVax
						Nat. Inst. Allergy & Infectious Dis.
Phase II	MVA.HIVA			AIDS Vaccines		Impfstoffwerk Dessau-Tornau GmbH (Originator) International AIDS Vaccine Initiative Uganda Virus Research Institute University of Oxford
Phase I	LFn-p24	HIV-Therapore vaccine		AIDS Vaccines		Avant (Originator) Nat. Inst. Allergy & Infectious Dis.
						Walter Reed Army Institute
Phase III	C31G	Glyminox	Oramed	Anti-HIV Agents		Biosyn (Originator)
			SAVVY	Antibacterial Drugs		Cellegy
				Antifungal Agents Microbicides		
				Treatment of Opportunistic Infections		
				Vaginal Spermicides		
Phase I	BRI-7013		VivaGel	Microbicides		Biomolecular Research Institute (Originator) Starpharma
	SPL-7013					
Phase I/II	SDS	Sodium dodecyl sulfate	Invisible Condom	Anti-HIV Agents		Universite Laval (Originator)
	SLS	Sodium lauryl sulfate		Anti-Herpes Simplex Virus Drugs		

			Antiviral Drugs		
				Microbicides	
				Vaginal Spermicides	
Phase I/II	2F5		Anti-HIV Agents	Human Monoclonal Antibodies Viral Entry Inhibitors	Epicyte  Polymun (Originator) Universitaet Wien (Originator)
Phase I	AK-671  SCH-351125 SCH-C	Ancriviroc	Anti-HIV Agents	Chemokine CCR5 Antagonists Viral Entry Inhibitors	Schering-Plough (Originator)
	Schering C				
Phase I	DNA/PLG microparticles		AIDS Vaccines		Chiron (Originator)
			DNA Vaccines		Nat. Inst. Allergy & Infectious Dis.
Phase I	AAV2-gag-PR-DELTA-RT		AIDS Vaccines		International AIDS Vaccine Initiative
	tgAAC-09		DNA Vaccines		Targeted Genetics (Originator)
Phase I	tgAAC09 AAV AVX-101		AIDS Vaccines		AlphaVax (Originator)
	AVX-101 VEE		DNA Vaccines		Nat. Inst. Allergy & Infectious Dis.
Phase I	gp160 MN/LAI-2		AIDS Vaccines		ANRS
					Sanofi Pasteur (Originator)
					Walter Reed Army Institute

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			Trappsol HPB	Anti-HIV Agents		Cyclodextrin Technologies Development (Originator)
Preclinical	MPI-49839	beta- cyclodextrin O-(2- Hydroxypropyl)- beta- cyclodextrin		Anti-HIV Agents		Myriad Genetics (Originator)
Phase I	BMS- 378806 BMS-806			Anti-HIV Agents	Viral Entry Inhibitors	Bristol-Myers Squibb (Originator)
Phase I	T-cell HIV Vaccine			AIDS Vaccines		Hadassah Medical Organization (Originator) Weizmann Institute of Science
Phase III	TMC-114  UIC-94017	Darunavir		Anti-HIV Agents	HIV Protease Inhibitors	Johnson & Johnson Tibotec (Originator)
Preclinical	MV-026048			Anti-HIV Agents	Reverse Transcriptase Inhibitors	University of Illinois (Originator) Medivir (Originator) Roche
Preclinical	K5-N,OS(H)			Anti-HIV Agents	Angiogenesis Inhibitors	Glycores 2000
				Microbicides	Viral Fusion Inhibitors	San Raffaele Scientific Institute Universita degli Studi di Bari (Originator) Universita degli Studi di Brescia (Originator)
				Oncolytic Drugs		
Phase III	UK-427857	Maraviroc		Anti-HIV Agents	Chemokine CCR5 Antagonists Viral Entry Inhibitors	Pfizer (Originator)
Phase I	BILR-355  BILR-355- BS			Anti-HIV Agents	Reverse Transcriptase Inhibitors	Boehringer Ingelheim (Originator)
Launched- 2004		Abacavir sulfate/lamivudin e	Epzicom	Anti-HIV Agents	Reverse Transcriptase Inhibitors	GlaxoSmithKline (Originator)

		Kivexa		
Preclinical		DermaVir	AIDS Vaccines	Genetic Immunity (Originator)
			DNA Vaccines	Research Institute Genetic Human Ther. Epicyte
Phase I/II	2G12		Anti-HIV Agents	Human Monoclonal Antibodies Viral Entry Inhibitors
				Polymun (Originator) Universitaet Wien (Originator)
Phase I	L-000870810 L-870810		Anti-HIV Agents	HIV Integrase Inhibitors Merck & Co. (Originator)
Phase I	L-870812		Anti-HIV Agents	HIV Integrase Inhibitors Merck & Co. (Originator)
Phase I	VRX-496		Anti-HIV Agents	University of Pennsylvania
Preclinical	SAMMA		Antisense Therapy Microbicides	Viral Entry Inhibitors VIRxSYS (Originator) Mount Sinai School of Medicine (Originator) Rush University Medical Center (Originator)
Phase I	Ad5gag2 MRKAd5 HIV-1 gag MRKAd5gag		AIDS Vaccines	Merck & Co. (Originator) Nat. Inst. Allergy & Infectious Dis. Sanofi Pasteur
Phase I	BG-777		Anti-Cytomegalovirus Drugs Anti-HIV Agents	Virocell (Originator)
			Anti-Influenza Virus Drugs	
			Antibacterial Drugs	

			Immunomodulators		
Preclinical		Sulphonated Hesperidin	Contraceptives Microbicides		Panjab University (Originator)
Phase II	695634 GW-5634 GW-695634		Anti-HIV Agents	Reverse Transcriptase Inhibitors	GlaxoSmithKline (Originator)
Phase II	GW-678248 GW-8248		Anti-HIV Agents	Reverse Transcriptase Inhibitors	GlaxoSmithKline (Originator)
Preclinical	R-1495		Anti-HIV Agents	Reverse Transcriptase Inhibitors	Medivir Roche
Preclinical	SMP-717		Anti-Cytomegalovirus Drugs Anti-HIV Agents	Reverse Transcriptase Inhibitors	Advanced Life Sciences (Originator)
Phase I/II	AMD-070		Anti-HIV Agents	Chemokine CXCR4 (SDF-1) Antagonists Viral Entry Inhibitors	AnorMED (Originator) Nat. Inst. Allergy & Infectious Dis. National Institutes of Health Centocor Kaleidos Pharma
Preclinical	TGF-alpha		Anti-HIV Agents Antiparkinsonian Drugs		National Cancer Institute (US) (Originator) National Institutes of Health (Originator)
Phase II	873140 AK-602 GW-873140 ONO-4128		Anti-HIV Agents	Chemokine CCR5 Antagonists Viral Entry Inhibitors	GlaxoSmithKline Ono (Originator)

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				Anti-HIV Agents	Chemokine CCR5 Antagonists	Takeda (Originator)
					Viral Entry Inhibitors	
Launched		V-1 Immunitor		AIDS Vaccines		Immunitor (Originator)
Phase I	TAK-652			Treatment of AIDS-Associated Disorders Anti-HIV Agents	Chemokine CCR5 Antagonists Viral Entry Inhibitors	Takeda (Originator)
IND Filed	R15K		BlockAide/ CR	Anti-HIV Agents	Viral Entry Inhibitors	Adventrx Pharmaceuticals
Phase II	R-278474 TMC-278	Rilpivirine		Anti-HIV Agents	Reverse Transcriptase Inhibitors	M.D. Anderson Cancer Center (Originator) Janssen (Originator)
Preclinical	KPC-2			Anti-HIV Agents		Kucera Pharmaceutical (Originator)
Preclinical	INK-20			Anti-HIV Agents		Kucera Pharmaceutical (Originator)
				Chemical Delivery Systems		
Phase I	CCR5 mAb			Anti-HIV Agents	Anti-CD195 (CCR5)	Human Genome Sciences (Originator)
	CCR5mAb00 4				Human Monoclonal Antibodies Viral Entry Inhibitors	
Preclinical	MIV-170			Anti-HIV Agents	Reverse Transcriptase Inhibitors	Medivir (Originator)
Phase I	DP6-001	HIV DNA vaccine		AIDS Vaccines  DNA Vaccines		Advanced BioScience  CytRx

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Phase II	AG-001859			Anti-HIV Agents	HIV Protease Inhibitors	University of Massachusetts (Originator) Pfizer (Originator)
	AG-1859					
Phase I/II			GTU-MultiHIV	AIDS Vaccines		FIT Biotech (Originator)
				DNA Vaccines		International AIDS Vaccine Initiative
Preclinical			EradicAide	AIDS Vaccines		Adventrx Pharmaceuticals M.D. Anderson Cancer Center (Originator)
Launched-2004		Tenofovir disoproxil fumarate/emtricitabine	Truvada	Anti-HIV Agents	Reverse Transcriptase Inhibitors	Gilead (Originator) Japan Tobacco
Preclinical			BlockAide/V P	Anti-HIV Agents	Viral Entry Inhibitors	Adventrx Pharmaceuticals (Originator)
Preclinical	TPFA		Thiovir	Anti-HIV Agents	Reverse Transcriptase Inhibitors	Adventrx Pharmaceuticals
				Cervical Cancer Therapy		National Cancer Institute
				Genital Warts, Treatment for		University of Southern California (Originator)
Phase I/II	MetX	MetaboliteX		Anti-HIV Agents		Tripep (Originator)
	alpha-HGA					
Preclinical	NV-05A			Anti-HIV Agents	Reverse Transcriptase Inhibitors	Idenix (Originator)
Phase I/II	IR-103			AIDS Vaccines		Immune Response
Preclinical	MX-100			Anti-HIV Agents	HIV Protease Inhibitors	Pharmacor (Originator)
	PL-100					Procyon Biopharma (Originator)
Phase I				Anti-HIV Agents		ViroLogic Fresenius

			Gene Therapy	(Originator) Georg-Speyer-Haus (Originator)
Phase I	SCH-D		Anti-HIV Agents	Chemokine CCR5 Antagonists Viral Entry Inhibitors
	Sch-417690			Schering-Plough (Originator)
Preclinical		ImmunoVex-HIV	AIDS Vaccines	BioVex (Originator)
Phase I	CYT-99-007		Anti-HIV Agents	Cytheris (Originator)
	rhIL-7		Immunomodulators	Nat. Inst. Allergy & Infectious Dis. National Cancer Institute
Phase I		recombinant o-gp140/MF59 adjuvant	AIDS Vaccines	Chiron (Originator)
Phase II	BMS-488043		Anti-HIV Agents	Viral Entry Inhibitors Nat. Inst. Allergy & Infectious Dis. Bristol-Myers Squibb (Originator)
Preclinical	KP-1212		Anti-HIV Agents	Koronis (Originator)
	SN-1212			
Preclinical	AMD-887		Anti-HIV Agents	Chemokine CCR5 Antagonists Viral Entry Inhibitors AnorMED (Originator)
Phase I	KP-1461		Anti-HIV Agents	Koronis (Originator)
	SN-1461		Chemical Delivery Systems	
Preclinical		DES-10	Anti-HIV Agents	AusAm Biotechnologies (Originator)
			Anti-Herpes Virus Drugs	National Institutes of Health
Preclinical	APP-069		Anti-HIV Agents	Aphios (Originator)
Preclinical	PC-815	MIV-150/Carraguard	Anti-HIV Agents	Medivir (Originator)
		MIV-150/PC-515	Microbicides	Population Council (Originator)



			Anti-HIV Agents	Functional Genetics (Originator)
Preclinical	RPI-MN		Anti-HIV Agents	Nutra Pharma (Originator)
				ReceptoPharm (Originator)
Preclinical		Tenofovir disoproxil fumarate/emtricitabine/efavirenz	Anti-HIV Agents Reverse Transcriptase Inhibitors	Bristol-Myers Squibb (Originator) Gilead (Originator) Merck & Co. (Originator)
Preclinical	MVA-BN HIV Polytope		AIDS Vaccines	Bavarian Nordic (Originator)
Preclinical	MVA-BN HIV Multiantigen		AIDS Vaccines	Bavarian Nordic (Originator)
Preclinical	PBS-119		Immunostimulants	Phoenix Biosciences (Originator)
Phase II		HIV-1 Tat Toxoid vaccine	AIDS Vaccines	Neovacs
		Tat Toxoid vaccine		Sanofi Pasteur
				Univ. Maryland Biotechnology Institute
Phase III	TNP VGV-1	Thymus nuclear protein	Anti-HIV Agents	Viral Genetics
Phase I	VCR-ADV-014		AIDS Vaccines	GenVec (Originator)
				Nat. Inst. Allergy & Infectious Dis.
Preclinical	VRC-HIVADV014-00-VP SP-010		Anti-HIV Agents	Georgetown University (Originator)
	SP-10		Cognition Disorders, Treatment of	Samaritan Pharmaceuticals
Phase I/II	GS-9137		Anti-HIV Agents	HIV Integrase Inhibitors Gilead
	JTK-303			Japan Tobacco (Originator)
Phase I/II		RNA-loaded dendritic cell vaccine	AIDS Vaccines Cancer Vaccines	Argos Therapeutics (Originator)

				Melanoma Therapy	
				Renal Cancer Therapy	
Phase I		IFN-alpha kinoid	Antiferon	AIDS Vaccines  Systemic Lupus Erythematosus, Agents for Vaccines	Neovacs (Originator) Sanofi Pasteur
Phase II	DNA.HIVA			AIDS Vaccines	International AIDS Vaccine Initiative
	HIVA			DNA Vaccines	ML Laboratories (Originator) Uganda Virus Research Institute
Phase I	DEBIO-025			Anti-HIV Agents	University of Oxford Debiopharm (Originator)
	UNIL-025			Anti-Hepatitis C Virus Drugs Ischemic Stroke, Treatment of	
Preclinical		HIV vaccine		AIDS Vaccines	Berna Biotech (Originator)
		MV-HIV vaccine			
Phase I	825780			DNA Vaccines	GlaxoSmithKline (Originator)
Phase I	C-1605			Viral Vaccines AIDS Medicines	Merck & Co. (Originator)
Phase I	ADMVA			AIDS Vaccines	Aaron Diamond AIDS Research Center
					Impfstoffwerk Dessau-Tornau GmbH (Originator) International AIDS Vaccine Initiative

				AIDS Medicines		BioLineRx
						Hebrew University (Originator) Yisum
Phase I	CAP	Cellulose acetate phthalate		Microbicides	Viral Entry Inhibitors	New York Blood Center
				Vaginal Spermicides		
Preclinical	QR-437			Anti-HIV Agents		Quigley Pharma (Originator)
Phase II	MRKAd5 HIV-1 gag/pol/nef MRKAd5 HIV-1 trivalent			AIDS Vaccines		Merck & Co. (Originator)
Preclinical	MRKAd5gag/pol/nef		CarryVac-HIV	AIDS Vaccines		Nat. Inst. Allergy & Infectious Dis.
Preclinical			HIV-RAS	AIDS Vaccines		Tripep (Originator) Vaccine Research Institute of San Diego Tripep (Originator)
Preclinical	PL-337			Anti-HIV Agents	HIV Protease Inhibitors	Procyon Biopharma (Originator)
Phase I	DNA-C			AIDS Vaccines		EuroVacc Foundation
Phase II	DNA-HIV-C					Universitaet Regensburg (Originator) ANRS
Phase II		Lipo-5		AIDS Vaccines		INSERM (Originator)
Phase I						Nat. Inst. Allergy & Infectious Dis. Sanofi Pasteur (Originator)
Phase I		Lipo-6T		AIDS Vaccines		ANRS

					INSERM (Originator)
Phase I	EnvPro			AIDS Vaccines	Sanofi Pasteur (Originator) St. Jude Children's Res. Hosp. (Originator)
Phase I	TCB-M358			AIDS Vaccines	Nat. Inst. Allergy & Infectious Dis. (Originator)
					Therion (Originator)
Phase I	TBC-M335			AIDS Vaccines	Nat. Inst. Allergy & Infectious Dis. Therion (Originator)
Phase I	TBC-F357			AIDS Vaccines	Nat. Inst. Allergy & Infectious Dis. Therion (Originator)
					Therion (Originator)
Phase I	TBC-F349			AIDS Vaccines	Nat. Inst. Allergy & Infectious Dis.
					Therion (Originator)
Phase I	TBC- M358/TBC- M355			AIDS Vaccines	Nat. Inst. Allergy & Infectious Dis.
					Therion (Originator)
Phase I	TBC- F357/TBC- F349			AIDS Vaccines	Nat. Inst. Allergy & Infectious Dis.
					Therion (Originator)
Phase I	HIV CTL MEP	Multi-epitope CTL peptide vaccine		AIDS Vaccines	Nat. Inst. Allergy & Infectious Dis.
					Therion (Originator)
Phase I	VRC-DNA- 009			AIDS Vaccines	Wyeth Pharmaceuticals (Originator) National Institutes of Health (Originator)
	VRC- HIVDNA009- 00-VP			DNA Vaccines	

			Anti-HIV Agents	Oligonucleotides	REPLICor (Originator)
			Antiviral Drugs		
Preclinical	PPL-100		Anti-HIV Agents	HIV Protease Inhibitors	Procyon Biopharma (Originator)
			Chemical Delivery Systems		
Phase I/II	BI-201		Anti-HIV Agents	Human Monoclonal Antibodies	BioInvent (Originator)

Table 99 – Exemplary HIV Antivirals and Patent Numbers

- 5 Ziagen (Abacavir sulfate, US 5,034,394)  
 Epzicom (Abacavir sulfate/lamivudine, US 5,034,394)  
 Hepsera (Adefovir dipivoxil, US 4,724,233)  
 Agenerase (Amprenavir, US 5,646,180)  
 Reyataz (Atazanavir sulfate, US 5,849,911)
- 10 Rescriptor (Delavirdine mesilate, US 5,563,142)  
 Hivid (Dideoxycytidine; Zalcitabine, US 5,028,595)  
 Videx (Dideoxyinosine; Didanosine, US 4,861,759)  
 Sustiva (Efavirenz, US 5,519,021)  
 Emtriva (Emtricitabine, US 6,642,245)
- 15 Lexiva (Fosamprenavir calcium, US 6,436,989)  
 Virudin; Triapten; Foscavir (Foscarnet sodium, US 6,476,009)  
 Crixivan (Indinavir sulfate, US 5,413,999)  
 Epivir (Lamivudine, US 5,047,407)  
 Combivir (Lamivudine/Zidovudine, US 4,724,232)
- 20 Aluviran (Lopinavir)  
 Kaletra (Lopinavir/ritonavir, US 5,541,206)  
 Viracept (Nelfinavir mesilate, US 5,484,926)  
 Viramune (Nevirapine, US 5,366,972)  
 Norvir (Ritonavir, US 5,541,206)
- 25 Invirase; Fortovase (Saquinavir mesilate, US 5,196,438)  
 Zerit (Stavudine, US 4,978,655)  
 Truvada (Tenofovir disoproxil fumarate/emtricitabine, US 5,210,085)  
 Aptivus (Tipranavir)
- 30 Retrovir (Zidovudine; Azidothymidine, US 4,724,232)

Metabolites of the Compounds of the Invention

Also falling within the scope of this invention are the *in vivo* metabolic

products of the compounds described herein. Such products may result for example from the oxidation, reduction, hydrolysis, amidation, esterification and the like of the administered compound, primarily due to enzymatic processes. Accordingly, the invention includes compounds produced by a process comprising contacting a  
5 compound of this invention with a mammal for a period of time sufficient to yield a metabolic product thereof. Such products typically are identified by preparing a radiolabelled (*e.g.*, C<sup>14</sup> or H<sup>3</sup>) compound of the invention, administering it parenterally in a detectable dose (*e.g.*, greater than about 0.5 mg/kg) to an animal such as rat, mouse, guinea pig, monkey, or to man, allowing sufficient time for metabolism  
10 to occur (typically about 30 seconds to 30 hours) and isolating its conversion products from the urine, blood or other biological samples. These products are easily isolated since they are labeled (others are isolated by the use of antibodies capable of binding epitopes surviving in the metabolite). The metabolite structures are determined in conventional fashion, *e.g.*, by MS or NMR analysis. In general, analysis of  
15 metabolites is done in the same way as conventional drug metabolism studies well-known to those skilled in the art. The conversion products, so long as they are not otherwise found *in vivo*, are useful in diagnostic assays for therapeutic dosing of the compounds of the invention even if they possess no HIV -inhibitory activity of their own.

20 Recipes and methods for determining stability of compounds in surrogate gastrointestinal secretions are known. Compounds are defined herein as stable in the gastrointestinal tract where less than about 50 mole percent of the protected groups are deprotected in surrogate intestinal or gastric juice upon incubation for 1 hour at 37 °C. Simply because the compounds are stable to the gastrointestinal tract does not  
25 mean that they cannot be hydrolyzed *in vivo*. The phosphonate prodrugs of the invention typically will be stable in the digestive system but are substantially hydrolyzed to the parental drug in the digestive lumen, liver or other metabolic organ, or within cells in general.

#### Exemplary Methods of Making the Compounds of the Invention.

30 The invention also relates to methods of making the compositions of the invention. The compositions are prepared by any of the applicable techniques of organic synthesis. Many such techniques are well known in the art. However, many

of the known techniques are elaborated in Compendium of Organic Synthetic Methods (John Wiley & Sons, New York), Vol. 1, Ian T. Harrison and Shuyen Harrison, 1971; Vol. 2, Ian T. Harrison and Shuyen Harrison, 1974; Vol. 3, Louis S. Hegedus and Leroy Wade, 1977; Vol. 4, Leroy G. Wade, jr., 1980; Vol. 5, Leroy G. Wade, Jr., 1984; and Vol. 6, Michael B. Smith; as well as March, J., Advanced Organic Chemistry, Third Edition, (John Wiley & Sons, New York, 1985), Comprehensive Organic Synthesis. Selectivity, Strategy & Efficiency in Modern Organic Chemistry. In 9 Volumes, Barry M. Trost, Editor-in-Chief (Pergamon Press, New York, 1993 printing).

10 A number of exemplary methods for the preparation of the compositions of the invention are provided below. These methods are intended to illustrate the nature of such preparations and are not intended to limit the scope of applicable methods.

Generally, the reaction conditions such as temperature, reaction time, solvents, work-up procedures, and the like, will be those common in the art for the particular  
15 reaction to be performed. The cited reference material, together with material cited therein, contains detailed descriptions of such conditions. Typically the temperatures will be -100°C to 200°C, solvents will be aprotic or protic, and reaction times will be 10 seconds to 10 days. Work-up typically consists of quenching any unreacted reagents followed by partition between a water/organic layer system (extraction) and  
20 separating the layer containing the product.

Oxidation and reduction reactions are typically carried out at temperatures near room temperature (about 20 °C), although for metal hydride reductions frequently the temperature is reduced to 0 °C to -100 °C, solvents are typically aprotic for reductions and may be either protic or aprotic for oxidations. Reaction times are  
25 adjusted to achieve desired conversions.

Condensation reactions are typically carried out at temperatures near room temperature, although for non-equilibrating, kinetically controlled condensations reduced temperatures (0 °C to -100 °C) are also common. Solvents can be either protic (common in equilibrating reactions) or aprotic (common in kinetically  
30 controlled reactions).

Standard synthetic techniques such as azeotropic removal of reaction by-products and use of anhydrous reaction conditions (*e.g.*, inert gas environments) are common in the art and will be applied when applicable.

GENERAL ASPECTS AND EXAMPLES

General aspects of these exemplary methods are described below and in the Examples. Each of the products of the following processes is optionally separated, isolated, and/or purified prior to its use in subsequent processes.

5 Generally, the reaction conditions such as temperature, reaction time, solvents, work-up procedures, and the like, will be those common in the art for the particular reaction to be performed. The cited reference material, together with material cited therein, contains detailed descriptions of such conditions. Typically the temperatures will be -100°C to 200°C, solvents will be aprotic or protic, and reaction times will be 10 10 seconds to 10 days. Work-up typically consists of quenching any unreacted reagents followed by partition between a water/organic layer system (extraction) and separating the layer containing the product.

Oxidation and reduction reactions are typically carried out at temperatures near room temperature (about 20°C), although for metal hydride reductions frequently 15 the temperature is reduced to 0°C to -100°C, solvents are typically aprotic for reductions and may be either protic or aprotic for oxidations. Reaction times are adjusted to achieve desired conversions.

Condensation reactions are typically carried out at temperatures near room temperature, although for non-equilibrating, kinetically controlled condensations 20 reduced temperatures (0°C to -100°C) are also common. Solvents can be either protic (common in equilibrating reactions) or aprotic (common in kinetically controlled reactions).

Standard synthetic techniques such as azeotropic removal of reaction by-products and use of anhydrous reaction conditions (*e.g.*, inert gas environments) are 25 common in the art and will be applied when applicable.

The terms “treated”, “treating”, “treatment”, and the like, when used in connection with a chemical synthetic operation, mean contacting, mixing, reacting, allowing to react, bringing into contact, and other terms common in the art for indicating that one or more chemical entities is treated in such a manner as to convert 30 it to one or more other chemical entities. This means that “treating compound one with compound two” is synonymous with “allowing compound one to react with compound two”, “contacting compound one with compound two”, “reacting compound one with compound two”, and other expressions common in the art of



organic synthesis for reasonably indicating that compound one was “treated”, “reacted”, “allowed to react”, etc., with compound two. For example, treating indicates the reasonable and usual manner in which organic chemicals are allowed to react. Normal concentrations (0.01M to 10M, typically 0.1M to 1M), temperatures (-  
5 100 °C to 250 °C, typically -78 °C to 150 °C, more typically -78 °C to 100 °C, still more typically 0 °C to 100 °C), reaction vessels (typically glass, plastic, metal), solvents, pressures, atmospheres (typically air for oxygen and water insensitive reactions or nitrogen or argon for oxygen or water sensitive), etc., are intended unless otherwise indicated. The knowledge of similar reactions known in the art of organic  
10 synthesis are used in selecting the conditions and apparatus for “treating” in a given process. In particular, one of ordinary skill in the art of organic synthesis selects conditions and apparatus reasonably expected to successfully carry out the chemical reactions of the described processes based on the knowledge in the art.

Modifications of each of the exemplary schemes and in the examples  
15 (hereafter “exemplary schemes”) leads to various analogs of the specific exemplary materials produce. The above-cited citations describing suitable methods of organic synthesis are applicable to such modifications.

In each of the exemplary schemes it may be advantageous to separate reaction products from one another and/or from starting materials. The desired products of  
20 each step or series of steps is separated and/or purified (hereinafter separated) to the desired degree of homogeneity by the techniques common in the art. Typically such separations involve multiphase extraction, crystallization from a solvent or solvent mixture, distillation, sublimation, or chromatography. Chromatography can involve any number of methods including, for example: reverse-phase and normal phase; size  
25 exclusion; ion exchange; high, medium, and low pressure liquid chromatography methods and apparatus; small scale analytical; simulated moving bed (SMB) and preparative thin or thick layer chromatography, as well as techniques of small scale thin layer and flash chromatography.

Another class of separation methods involves treatment of a mixture with a  
30 reagent selected to bind to or render otherwise separable a desired product, unreacted starting material, reaction by product, or the like. Such reagents include adsorbents or absorbents such as activated carbon, molecular sieves, ion exchange media, or the like. Alternatively, the reagents can be acids in the case of a basic material, bases in

the case of an acidic material, binding reagents such as antibodies, binding proteins, selective chelators such as crown ethers, liquid/liquid ion extraction reagents (LIX), or the like.

5 Selection of appropriate methods of separation depends on the nature of the materials involved. For example, boiling point, and molecular weight in distillation and sublimation, presence or absence of polar functional groups in chromatography, stability of materials in acidic and basic media in multiphase extraction, and the like. One skilled in the art will apply techniques most likely to achieve the desired separation.

10 A single stereoisomer, *e.g.*, an enantiomer, substantially free of its stereoisomer may be obtained by resolution of the racemic mixture using a method such as formation of diastereomers using optically active resolving agents (Stereochemistry of Carbon Compounds, (1962) by E. L. Eliel, McGraw Hill; Lochmuller, C. H., (1975) *J. Chromatogr.*, 113:(3) 283-302). Racemic mixtures of  
15 chiral compounds of the invention can be separated and isolated by any suitable method, including: (1) formation of ionic, diastereomeric salts with chiral compounds and separation by fractional crystallization or other methods, (2) formation of diastereomeric compounds with chiral derivatizing reagents, separation of the diastereomers, and conversion to the pure stereoisomers, and (3) separation of the  
20 substantially pure or enriched stereoisomers directly under chiral conditions.

Under method (1), diastereomeric salts can be formed by reaction of enantiomerically pure chiral bases such as brucine, quinine, ephedrine, strychnine,  $\alpha$ -methyl- $\beta$ -phenylethylamine (amphetamine), and the like with asymmetric compounds bearing acidic functionality, such as carboxylic acid and sulfonic acid. The  
25 diastereomeric salts may be induced to separate by fractional crystallization or ionic chromatography. For separation of the optical isomers of amino compounds, addition of chiral carboxylic or sulfonic acids, such as camphorsulfonic acid, tartaric acid, mandelic acid, or lactic acid can result in formation of the diastereomeric salts.

Alternatively, by method (2), the substrate to be resolved is reacted with one  
30 enantiomer of a chiral compound to form a diastereomeric pair (Eliel, E. and Wilen, S. (1994) Stereochemistry of Organic Compounds, John Wiley & Sons, Inc., p. 322). Diastereomeric compounds can be formed by reacting asymmetric compounds with

enantiomerically pure chiral activating reagents, such as menthyl derivatives, followed by separation of the diastereomers and hydrolysis to yield the free, enantiomerically enriched xanthene. A method of determining optical purity involves making chiral esters, such as a menthyl ester, *e.g.*, (-) menthyl chloroformate in the presence of base, or Mosher ester,  $\alpha$ -methoxy- $\alpha$ -(trifluoromethyl)phenyl acetate (Jacob III. (1982) *J. Org. Chem.* 47:4165), of the racemic mixture, and analyzing the NMR spectrum for the presence of the two atropisomeric diastereomers. Stable diastereomers of atropisomeric compounds can be separated and isolated by normal- and reverse-phase chromatography following methods for separation of atropisomeric naphthyl-isoquinolines (Hoye, T., WO 96/15111). By method (3), a racemic mixture of two enantiomers can be separated by chromatography using a chiral stationary phase (Chiral Liquid Chromatography (1989) W. J. Lough, Ed. Chapman and Hall, New York; Okamoto, (1990) *J. of Chromatogr.* 513:375-378). Enriched or purified enantiomers can be distinguished by methods used to distinguish other chiral molecules with asymmetric carbon atoms, such as optical rotation and circular dichroism.

#### Examples General Section

A number of exemplary methods for the preparation of compounds of the invention are provided herein, for example, in the Examples hereinbelow. These methods are intended to illustrate the nature of such preparations are not intended to limit the scope of applicable methods. Certain compounds of the invention can be used as intermediates for the preparation of other compounds of the invention. For example, the interconversion of various phosphonate compounds of the invention is illustrated below.

#### INTERCONVERSIONS OF THE PHOSPHONATES R-LINK-P(O)(OR<sup>1</sup>)<sub>2</sub>, R-LINK-P(O)(OR<sup>1</sup>)(OH) AND R-LINK-P(O)(OH)<sub>2</sub>.

The following schemes 32-38 describe the preparation of phosphonate esters of the general structure R-link-P(O)(OR<sup>1</sup>)<sub>2</sub>, in which the groups R<sup>1</sup> may be the same or different. The R<sup>1</sup> groups attached to a phosphonate ester, or to precursors thereto, may be changed using established chemical transformations. The interconversion reactions of phosphonates are illustrated in Scheme S32. The group R in Scheme 32

represents the substructure, i.e. the drug scaffold, to which the substituent link-  
P(O)(OR<sup>1</sup>)<sub>2</sub> is attached, either in the compounds of the invention, or in precursors  
thereto. At the point in the synthetic route of conducting a phosphonate  
interconversion, certain functional groups in R may be protected. The methods  
5 employed for a given phosphonate transformation depend on the nature of the  
substituent R<sup>1</sup>, and of the substrate to which the phosphonate group is attached. The  
preparation and hydrolysis of phosphonate esters is described in Organic Phosphorus  
Compounds, G. M. Kosolapoff, L. Maeir, eds, Wiley, 1976, p. 9ff.

In general, synthesis of phosphonate esters is achieved by coupling a  
10 nucleophile amine or alcohol with the corresponding activated phosphonate  
electrophilic precursor. For example, chlorophosphonate addition on to 5'-hydroxy of  
nucleoside is a well known method for preparation of nucleoside phosphate  
monoesters. The activated precursor can be prepared by several well known methods.  
Chlorophosphonates useful for synthesis of the prodrugs are prepared from the  
15 substituted-1,3-propanediol (Wissner, et al, (1992) *J. Med Chem.* 35:1650).  
Chlorophosphonates are made by oxidation of the corresponding chlorophospholanes  
(Anderson, et al, (1984) *J. Org. Chem.* 49:1304) which are obtained by reaction of the  
substituted diol with phosphorus trichloride. Alternatively, the chlorophosphonate  
agent is made by treating substituted-1,3-diols with phosphorusoxychloride (Patois, et  
20 al, (1990) *J. Chem. Soc. Perkin Trans. I*, 1577). Chlorophosphonate species may also  
be generated in situ from corresponding cyclic phosphites (Silverburg, et al., (1996)  
*Tetrahedron lett.*, 37:771-774), which in turn can be either made from  
chlorophospholane or phosphoramidate intermediate. Phosphorofluoridate  
intermediate prepared either from pyrophosphate or phosphoric acid may also act as  
25 precursor in preparation of cyclic prodrugs (Watanabe et al., (1988) *Tetrahedron lett.*,  
29:5763-66).

Phosphonate prodrugs of the present invention may also be prepared from the  
free acid by Mitsunobu reactions (Mitsunobu, (1981) *Synthesis*, 1; Campbell, (1992)  
*J. Org. Chem.* 57:6331), and other acid coupling reagents including, but not limited  
30 to, carbodiimides (Alexander, et al, (1994) *Collect. Czech. Chem. Commun.* 59:1853;  
Casara et al, (1992) *Bioorg. Med. Chem. Lett.* 2:145; Ohashi et al, (1988) *Tetrahedron  
Lett.*, 29:1189), and benzotriazoloxyltris-(dimethylamino)phosphonium salts  
(Campagne et al (1993) *Tetrahedron Lett.* 34:6743).

... reaction with phosphite derivatives to give aryl phosphonate containing compounds (Balthazar, et al (1980) *J. Org. Chem.* 45:5425). Phosphonates may also be prepared from the chlorophosphonate in the presence of a palladium catalyst using aromatic triflates (Petraakis et al (1987) *J. Am. Chem. Soc.* 109:2831; Lu et al (1987) *Synthesis* 726). In another method, aryl phosphonate esters are prepared from aryl phosphates under anionic rearrangement conditions (Melvin (1981) *Tetrahedron Lett.* 22:3375; Casteel et al (1991) *Synthesis*, 691). N-Alkoxy aryl salts with alkali metal derivatives of cyclic alkyl phosphonate provide general synthesis for heteroaryl-2-phosphonate linkers (Redmore (1970) *J. Org. Chem.* 35:4114). These above mentioned methods can also be extended to compounds where the W<sup>5</sup> group is a heterocycle. Cyclic-1,3-propanyl prodrugs of phosphonates are also synthesized from phosphonic diacids and substituted propane-1,3-diols using a coupling reagent such as 1,3-dicyclohexylcarbodiimide (DCC) in presence of a base (e.g., pyridine). Other carbodiimide based coupling agents like 1,3-disopropylcarbodiimide or water soluble reagent, 1-(3-dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride (EDCI) can also be utilized for the synthesis of cyclic phosphonate prodrugs.

The conversion of a phosphonate diester **S32.1** into the corresponding phosphonate monoester **S32.2** (Scheme 32, Reaction 1) is accomplished by a number of methods. For example, the ester **S32.1** in which R<sup>1</sup> is an aralkyl group such as benzyl, is converted into the monoester compound **S32.2** by reaction with a tertiary organic base such as diazabicyclooctane (DABCO) or quinuclidine, as described in *J. Org. Chem.* (1995) 60:2946. The reaction is performed in an inert hydrocarbon solvent such as toluene or xylene, at about 110 °C. The conversion of the diester **S32.1** in which R<sup>1</sup> is an aryl group such as phenyl, or an alkenyl group such as allyl, into the monoester **S32.2** is effected by treatment of the ester **S32.1** with a base such as aqueous sodium hydroxide in acetonitrile or lithium hydroxide in aqueous tetrahydrofuran. Phosphonate diesters **S32.1** in which one of the groups R<sup>1</sup> is aralkyl, such as benzyl, and the other is alkyl, is converted into the monoesters **S32.2** in which R<sup>1</sup> is alkyl by hydrogenation, for example using a palladium on carbon catalyst. Phosphonate diesters in which both of the groups R<sup>1</sup> are alkenyl, such as allyl, is converted into the monoester **S32.2** in which R<sup>1</sup> is alkenyl, by treatment with chlorotris(triphenylphosphine)rhodium (Wilkinson's catalyst) in aqueous ethanol at

reagent, optionally in the presence of diazabicyclooctane, for example by using the procedure described in *J. Org. Chem.* (1973) 38:3224, for the cleavage of allyl carboxylates.

The conversion of a phosphonate diester **S32.1** or a phosphonate monoester **S32.2** into the corresponding phosphonic acid **S32.3** (Scheme 32, Reactions 2 and 3) can be effected by reaction of the diester or the monoester with trimethylsilyl bromide, as described in *J. Chem. Soc., Chem. Comm.*, (1979) 739. The reaction is conducted in an inert solvent such as, for example, dichloromethane, optionally in the presence of a silylating agent such as bis(trimethylsilyl)trifluoroacetamide, at ambient temperature. A phosphonate monoester **S32.2** in which R<sup>1</sup> is aralkyl such as benzyl, is converted into the corresponding phosphonic acid **S32.3** by hydrogenation over a palladium catalyst, or by treatment with hydrogen chloride in an ethereal solvent such as dioxane. A phosphonate monoester **S32.2** in which R<sup>1</sup> is alkenyl such as, for example, allyl, is converted into the phosphonic acid **S32.3** by reaction with Wilkinson's catalyst in an aqueous organic solvent, for example in 15% aqueous acetonitrile, or in aqueous ethanol, for example using the procedure described in *Helv. Chim. Acta.* (1985) 68:618. Palladium catalyzed hydrogenolysis of phosphonate esters **S32.1** in which R<sup>1</sup> is benzyl is described in *J. Org. Chem.* (1959) 24:434. Platinum-catalyzed hydrogenolysis of phosphonate esters **S32.1** in which R<sup>1</sup> is phenyl is described in *J. Am. Chem. Soc.* (1956) 78:2336.

The conversion of a phosphonate monoester **S32.2** into a phosphonate diester **S32.1** (Scheme 32, Reaction 4) in which the newly introduced R<sup>1</sup> group is alkyl, aralkyl, haloalkyl such as chloroethyl, or aralkyl is effected by a number of reactions in which the substrate **S32.2** is reacted with a hydroxy compound R<sup>1</sup>OH, in the presence of a coupling agent. Typically, the second phosphonate ester group is different than the first introduced phosphonate ester group, *i.e.* R<sup>1</sup> is followed by the introduction of R<sup>2</sup> where each of R<sup>1</sup> and R<sup>2</sup> is alkyl, aralkyl, haloalkyl such as chloroethyl, or aralkyl (Scheme 32, Reaction 4a) whereby **S32.2** is converted to **S32.1a**. Suitable coupling agents are those employed for the preparation of carboxylate esters, and include a carbodiimide such as dicyclohexylcarbodiimide, in which case the reaction is preferably conducted in a basic organic solvent such as pyridine, or (benzotriazol-1-yloxy)tripyrrolidinophosphonium hexafluorophosphate (PYBOP, Sigma), in which case the reaction is performed in a polar solvent such as

dimethylformamide, in the presence of a tertiary organic base such as diisopropylethylamine, or Aldrithiol-2 (Aldrich) in which case the reaction is conducted in a basic solvent such as pyridine, in the presence of a triaryl phosphine such as triphenylphosphine. Alternatively, the conversion of the phosphonate monoester **S32.2** to the diester **S32.1** is effected by the use of the Mitsunobu reaction, as described above. The substrate is reacted with the hydroxy compound  $R^1OH$ , in the presence of diethyl azodicarboxylate and a triarylphosphine such as triphenyl phosphine. Alternatively, the phosphonate monoester **S32.2** is transformed into the phosphonate diester **S32.1**, in which the introduced  $R^1$  group is alkenyl or aralkyl, by reaction of the monoester with the halide  $R^1Br$ , in which  $R^1$  is as alkenyl or aralkyl. The alkylation reaction is conducted in a polar organic solvent such as dimethylformamide or acetonitrile, in the presence of a base such as cesium carbonate. Alternatively, the phosphonate monoester is transformed into the phosphonate diester in a two step procedure. In the first step, the phosphonate monoester **S32.2** is transformed into the chloro analog  $RP(O)(OR^1)Cl$  by reaction with thionyl chloride or oxalyl chloride and the like, as described in Organic Phosphorus Compounds, G. M. Kosolapoff, L. Maeir, eds, Wiley, 1976, p. 17, and the thus-obtained product  $RP(O)(OR^1)Cl$  is then reacted with the hydroxy compound  $R^1OH$ , in the presence of a base such as triethylamine, to afford the phosphonate diester **S32.1**.

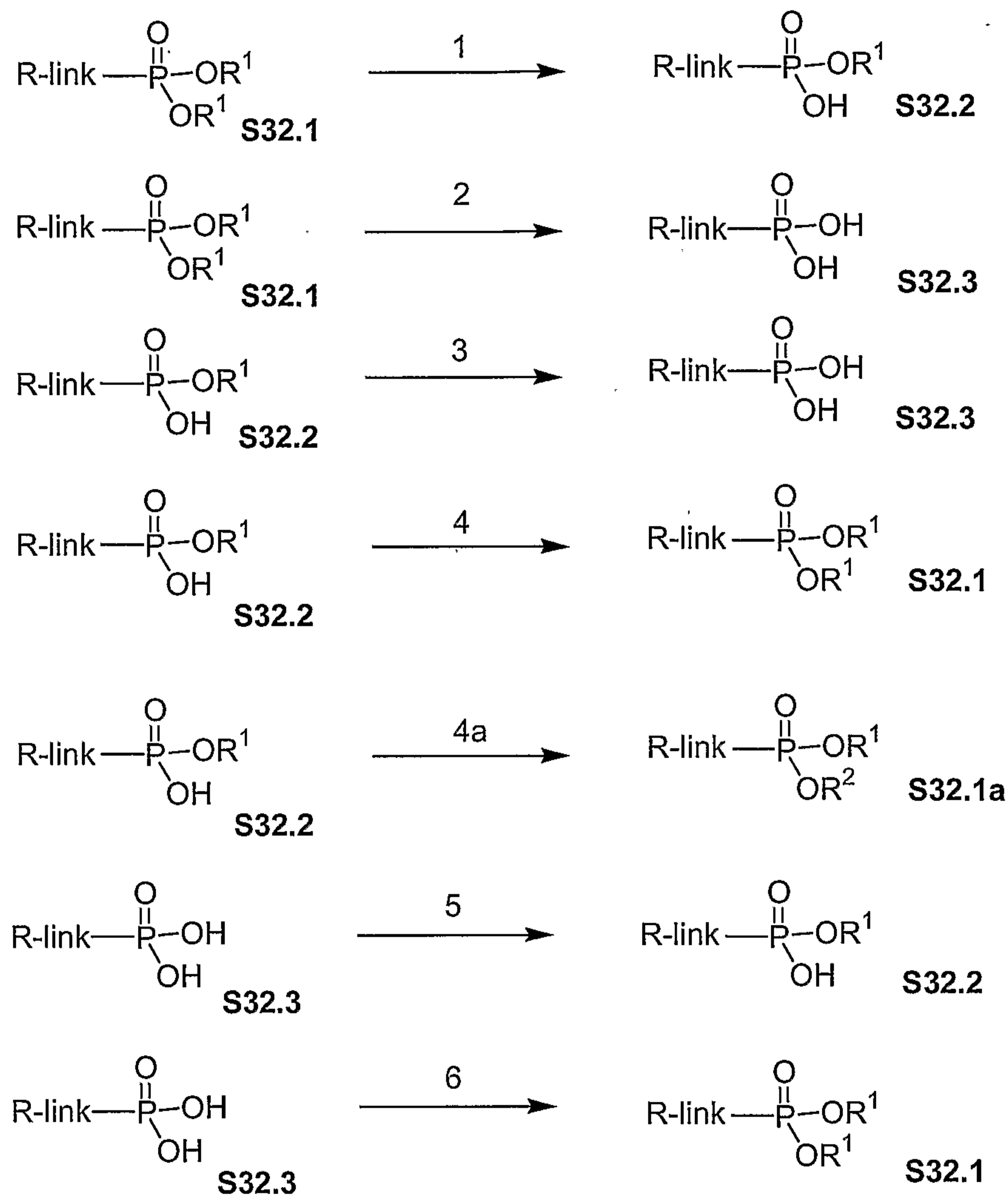
A phosphonic acid  $R\text{-link-P}(O)(OH)_2$  is transformed into a phosphonate monoester  $RP(O)(OR^1)(OH)$  (Scheme 32, Reaction 5) by means of the methods described above of for the preparation of the phosphonate diester  $R\text{-link-P}(O)(OR^1)_2$  **S32.1**, except that only one molar proportion of the component  $R^1OH$  or  $R^1Br$  is employed. Dialkyl phosphonates may be prepared according to the methods of: Quast et al (1974) *Synthesis* 490; Stowell et al (1990) *Tetrahedron Lett.* 3261; US 5663159.

A phosphonic acid  $R\text{-link-P}(O)(OH)_2$  **S32.3** is transformed into a phosphonate diester  $R\text{-link-P}(O)(OR^1)_2$  **S32.1** (Scheme 32, Reaction 6) by a coupling reaction with the hydroxy compound  $R^1OH$ , in the presence of a coupling agent such as Aldrithiol-2 (Aldrich) and triphenylphosphine. The reaction is conducted in a basic solvent such as pyridine. Alternatively, phosphonic acids **S32.3** are transformed into phosphonic esters **S32.1** in which  $R^1$  is aryl, by means of a coupling reaction employing, for example, dicyclohexylcarbodiimide in pyridine at ca 70 °C. Alternatively, phosphonic

acids **S32.3** are transformed into phosphonic esters **S32.1** in which R<sup>1</sup> is alkenyl, by means of an alkylation reaction. The phosphonic acid is reacted with the alkenyl bromide R<sup>1</sup>Br in a polar organic solvent such as acetonitrile solution at reflux temperature, the presence of a base such as cesium carbonate, to afford the

5 phosphonic ester **S32.1**.

**Scheme 32**



#### Preparation of phosphonate carbamates.

Phosphonate esters may contain a carbamate linkage. The preparation of carbamates is described in Comprehensive Organic Functional Group Transformations, A. R. Katritzky, ed., Pergamon, 1995, Vol. 6, p. 416ff, and in Organic Functional Group Preparations, by S. R. Sandler and W. Karo, Academic Press, 1986, p. 260ff. The carbamoyl group may be formed by reaction of a hydroxy



group according to the teachings known in the art, including the teachings of Ellis, US 2002/0103378 A1 and Hajima, US 6018049.

Scheme 33 illustrates various methods by which the carbamate linkage is synthesized. As shown in Scheme 33, in the general reaction generating carbamates, an alcohol S33.1, is converted into the activated derivative S33.2 in which Lv is a leaving group such as halo, imidazolyl, benzotriazolyl and the like, as described herein. The activated derivative S33.2 is then reacted with an amine S33.3, to afford the carbamate product S33.4. Examples 1 – 7 in Scheme 33 depict methods by which the general reaction is effected. Examples 8 - 10 illustrate alternative methods for the preparation of carbamates.

Scheme 33, Example 1 illustrates the preparation of carbamates employing a chloroformyl derivative of the alcohol S33.5. In this procedure, the alcohol S33.5 is reacted with phosgene, in an inert solvent such as toluene, at about 0 °C, as described in *Org. Syn. Coll. Vol. 3*, 167, 1965, or with an equivalent reagent such as trichloromethoxy chloroformate, as described in *Org. Syn. Coll. Vol. 6*, 715, 1988, to afford the chloroformate S33.6. The latter compound is then reacted with the amine component S33.3, in the presence of an organic or inorganic base, to afford the carbamate S33.7. For example, the chloroformyl compound S33.6 is reacted with the amine S33.3 in a water-miscible solvent such as tetrahydrofuran, in the presence of aqueous sodium hydroxide, as described in *Org. Syn. Coll. Vol. 3*, 167, 1965, to yield the carbamate S33.7. Alternatively, the reaction is performed in dichloromethane in the presence of an organic base such as diisopropylethylamine or dimethylaminopyridine.

Scheme 33, Example 2 depicts the reaction of the chloroformate compound S33.6 with imidazole to produce the imidazolide S33.8. The imidazolide product is then reacted with the amine S33.3 to yield the carbamate S33.7. The preparation of the imidazolide is performed in an aprotic solvent such as dichloromethane at 0°, and the preparation of the carbamate is conducted in a similar solvent at ambient temperature, optionally in the presence of a base such as dimethylaminopyridine, as described in *J. Med. Chem.*, 1989, 32, 357.

Scheme 33 Example 3, depicts the reaction of the chloroformate S33.6 with an activated hydroxyl compound R"OH, to yield the mixed carbonate ester S33.10. The reaction is conducted in an inert organic solvent such as ether or dichloromethane, in

the presence of a base such as dicyclohexylamine or triethylamine. The hydroxyl component R"OH is selected from the group of compounds **S33.19** - **S33.24** shown in Scheme **33**, and similar compounds. For example, if the component R"OH is hydroxybenztriazole **S33.19**, N-hydroxysuccinimide **S33.20**, or pentachlorophenol, **S33.21**, the mixed carbonate **S33.10** is obtained by the reaction of the chloroformate with the hydroxyl compound in an ethereal solvent in the presence of dicyclohexylamine, as described in *Can. J. Chem.*, 1982, 60, 976. A similar reaction in which the component R"OH is pentafluorophenol **S33.22** or 2-hydroxypyridine **S33.23** is performed in an ethereal solvent in the presence of triethylamine, as described in *Syn.*, 1986, 303, and *Chem. Ber.* 118, 468, 1985.

Scheme **33** Example **4** illustrates the preparation of carbamates in which an alkyloxycarbonylimidazole **S33.8** is employed. In this procedure, an alcohol **S33.5** is reacted with an equimolar amount of carbonyl diimidazole **S33.11** to prepare the intermediate **S33.8**. The reaction is conducted in an aprotic organic solvent such as dichloromethane or tetrahydrofuran. The acyloxyimidazole **S33.8** is then reacted with an equimolar amount of the amine R'NH<sub>2</sub> to afford the carbamate **S33.7**. The reaction is performed in an aprotic organic solvent such as dichloromethane, as described in *Tet. Lett.*, 42, 2001, 5227, to afford the carbamate **S33.7**.

Scheme **33**, Example **5** illustrates the preparation of carbamates by means of an intermediate alkoxy carbonylbenztriazole **S33.13**. In this procedure, an alcohol ROH is reacted at ambient temperature with an equimolar amount of benztriazole carbonyl chloride **S33.12**, to afford the alkoxy carbonyl product **S33.13**. The reaction is performed in an organic solvent such as benzene or toluene, in the presence of a tertiary organic amine such as triethylamine, as described in *Synthesis.*, 1977, 704. The product is then reacted with the amine R'NH<sub>2</sub> to afford the carbamate **S33.7**. The reaction is conducted in toluene or ethanol, at from ambient temperature to about 80 °C as described in *Synthesis.*, 1977, 704.

Scheme **33**, Example **6** illustrates the preparation of carbamates in which a carbonate (R"O)<sub>2</sub>CO, **S33.14**, is reacted with an alcohol **S33.5** to afford the intermediate alkyloxycarbonyl intermediate **S33.15**. The latter reagent is then reacted with the amine R'NH<sub>2</sub> to afford the carbamate **S33.7**. The procedure in which the reagent **S33.15** is derived from hydroxybenztriazole **S33.19** is described in *Synthesis*, 1993, 908; the procedure in which the reagent **S33.15** is derived from N-

hydroxysuccinimide **S33.20** is described in *Tet. Lett.*, 1992, 2781; the procedure in which the reagent **S33.15** is derived from 2-hydroxypyridine **S33.23** is described in *Tet. Lett.*, 1991, 4251; the procedure in which the reagent **S33.15** is derived from 4-nitrophenol **S33.24** is described in *Synthesis*, 1993, 103. The reaction between  
5 equimolar amounts of the alcohol ROH and the carbonate **S33.14** is conducted in an inert organic solvent at ambient temperature.

Scheme **33**, Example **7** illustrates the preparation of carbamates from alkoxy carbonyl azides **S33.16**. In this procedure, an alkyl chloroformate **S33.6** is reacted with an azide, for example sodium azide, to afford the alkoxy carbonyl azide  
10 **S33.16**. The latter compound is then reacted with an equimolar amount of the amine R'NH<sub>2</sub> to afford the carbamate **S33.7**. The reaction is conducted at ambient temperature in a polar aprotic solvent such as dimethylsulfoxide, for example as described in *Synthesis*, 1982, 404.

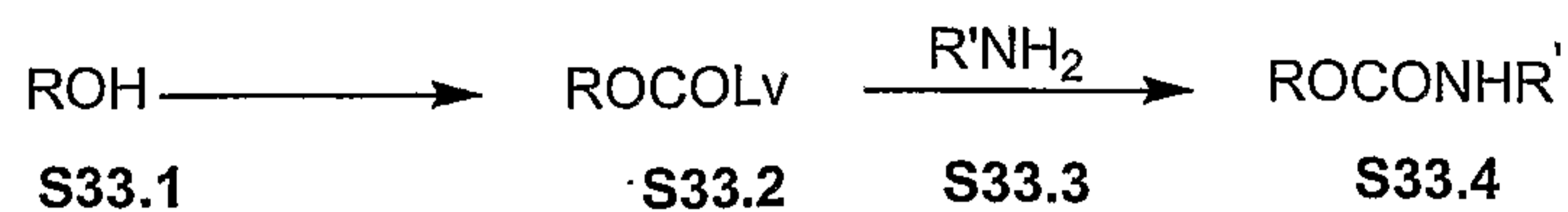
Scheme **33**, Example **8** illustrates the preparation of carbamates by means of  
15 the reaction between an alcohol ROH and the chloroformyl derivative of an amine **S33.17**. In this procedure, which is described in *Synthetic Organic Chemistry*, R. B. Wagner, H. D. Zook, Wiley, 1953, p. 647, the reactants are combined at ambient temperature in an aprotic solvent such as acetonitrile, in the presence of a base such as triethylamine, to afford the carbamate **S33.7**.

20 Scheme **33**, Example **9** illustrates the preparation of carbamates by means of the reaction between an alcohol ROH and an isocyanate **S33.18**. In this procedure, which is described in *Synthetic Organic Chemistry*, R. B. Wagner, H. D. Zook, Wiley, 1953, p. 645, the reactants are combined at ambient temperature in an aprotic solvent such as ether or dichloromethane and the like, to afford the carbamate **S33.7**.

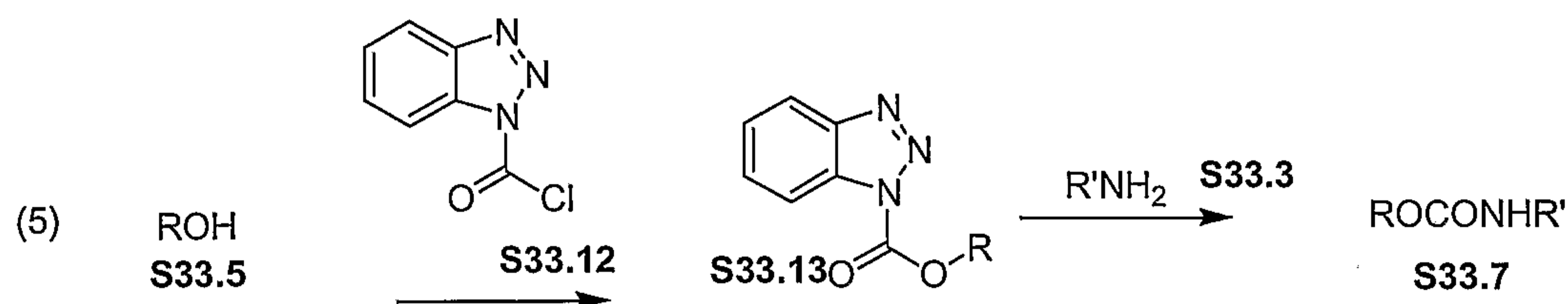
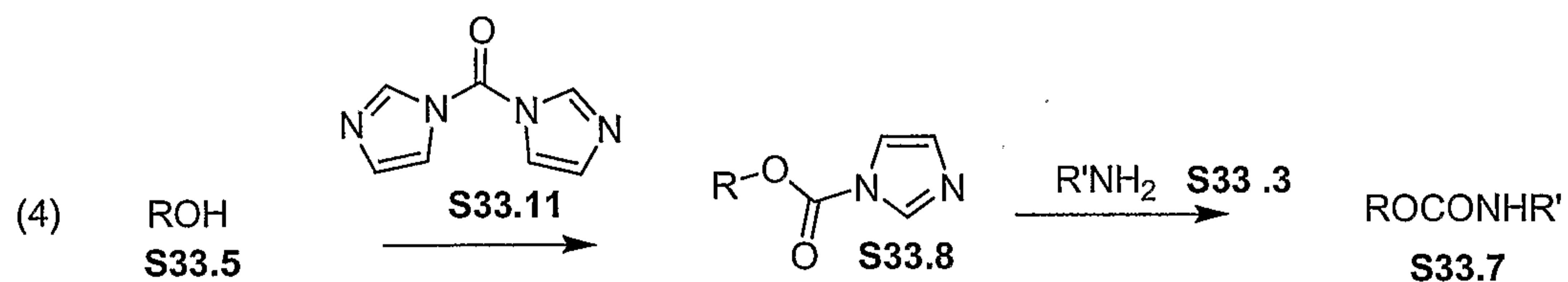
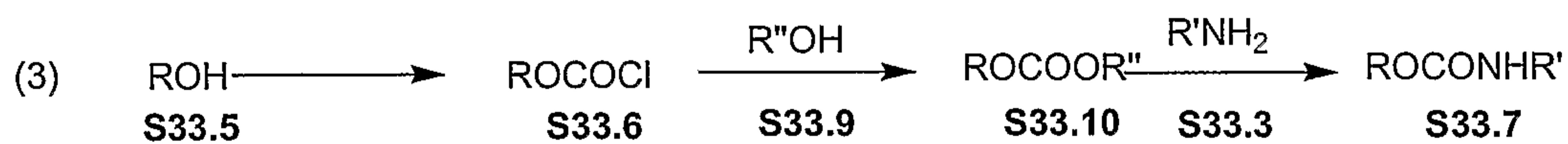
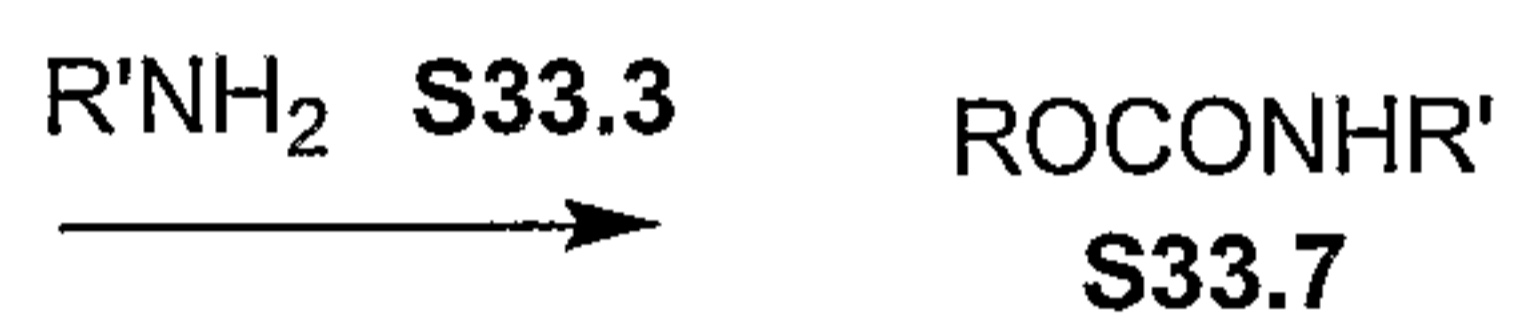
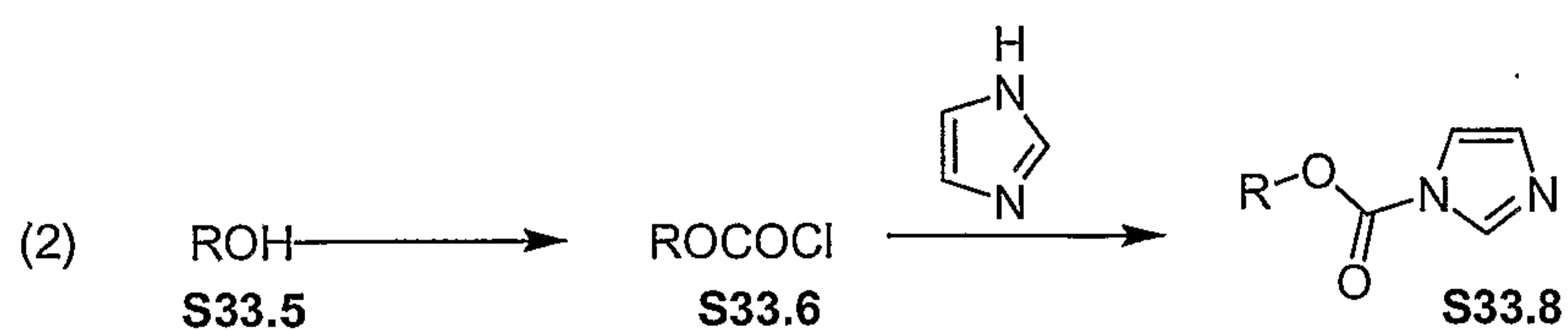
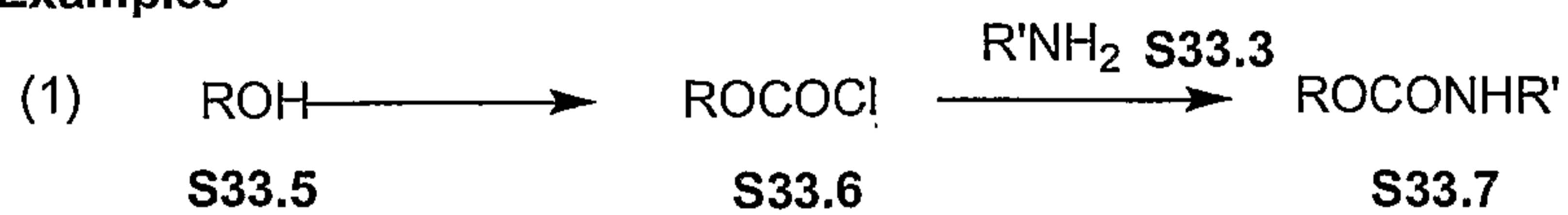
25 Scheme **33**, Example **10** illustrates the preparation of carbamates by means of the reaction between an alcohol ROH and an amine R'NH<sub>2</sub>. In this procedure, which is described in *Chem. Lett.* 1972, 373, the reactants are combined at ambient temperature in an aprotic organic solvent such as tetrahydrofuran, in the presence of a tertiary base such as triethylamine, and selenium. Carbon monoxide is passed through  
30 the solution and the reaction proceeds to afford the carbamate **S33.7**.

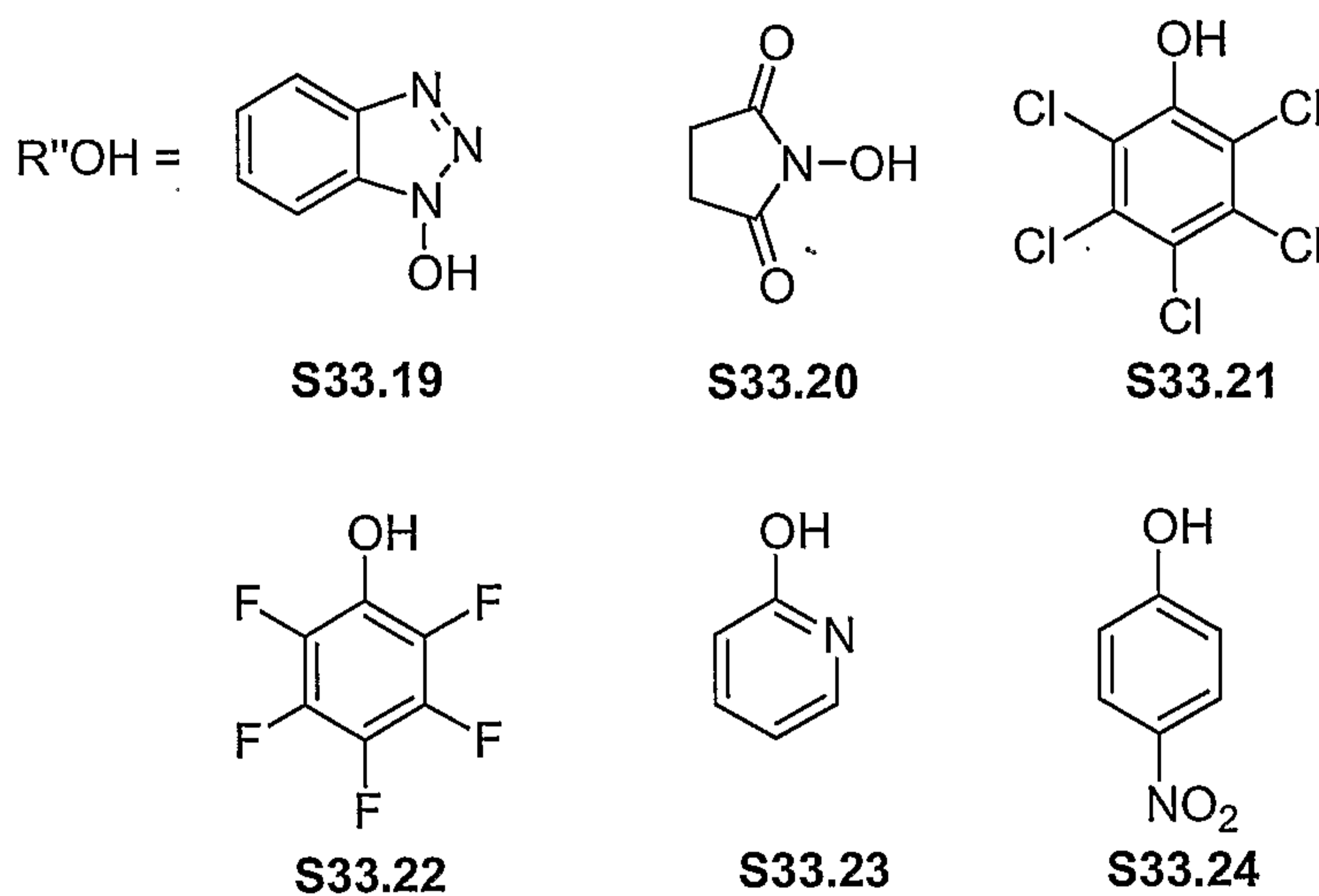
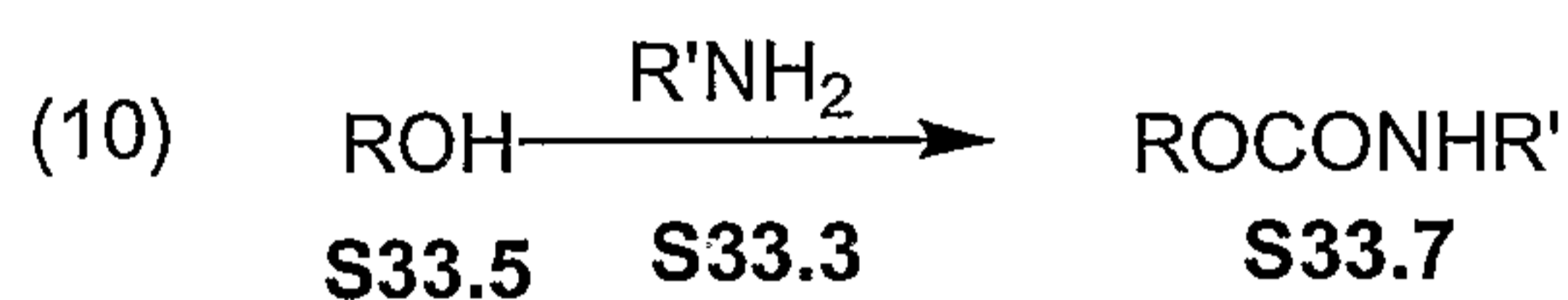
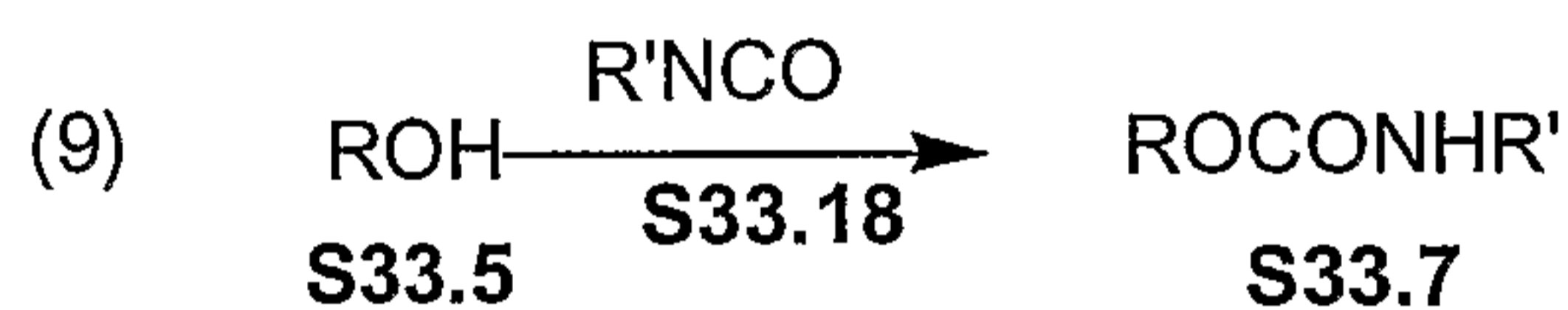
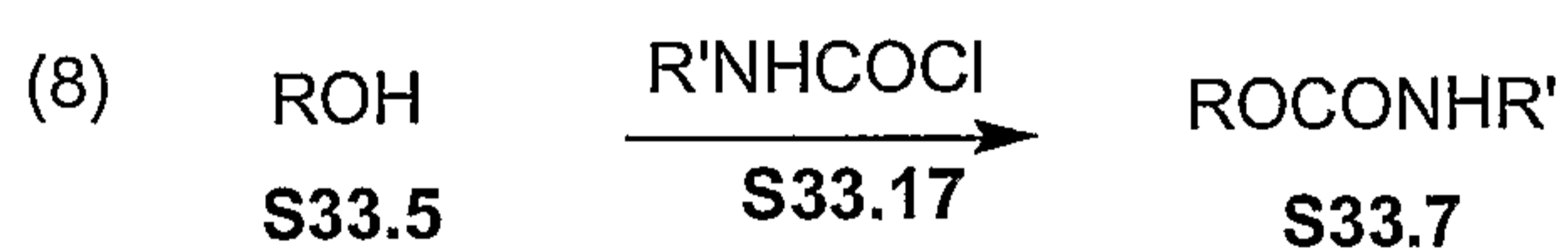
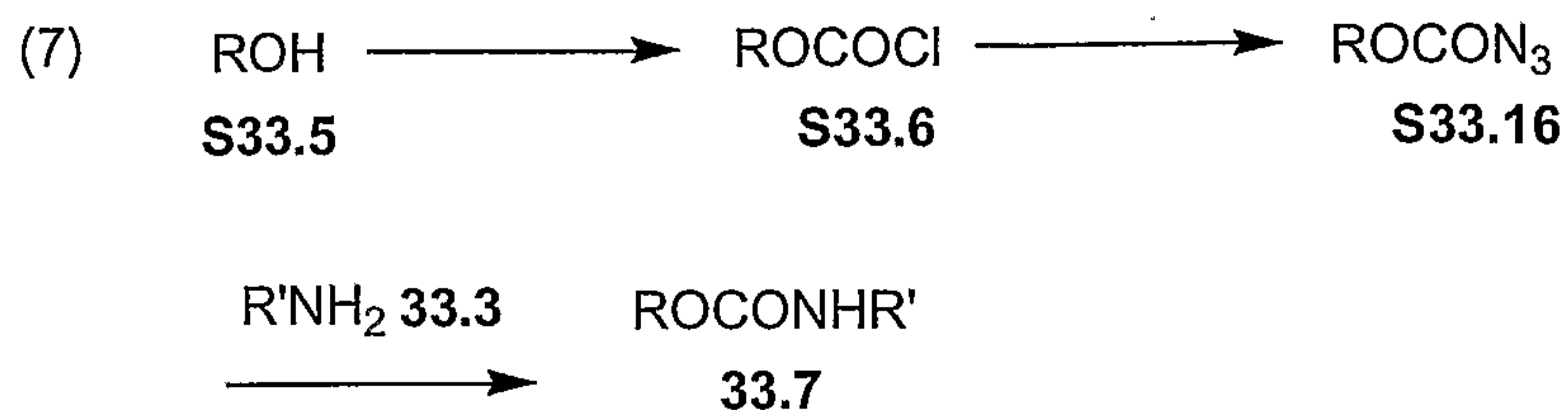
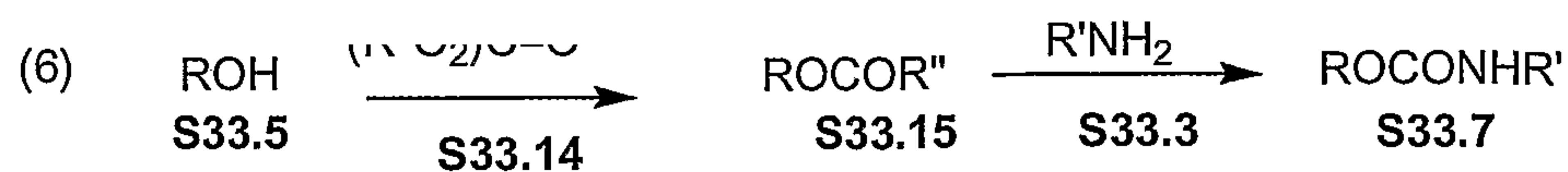
Scheme 33.1: Preparation of carbamates

## General reaction



## Examples





PREPARATION OF CARBOALKOXY-SUBSTITUTED PHOSPHONATE  
BISAMIDATES, MONOAMIDATES, DIESTERS AND MONOESTERS.

5 A number of methods are available for the conversion of phosphonic acids into amidates and esters. In one group of methods, the phosphonic acid is either converted into an isolated activated intermediate such as a phosphoryl chloride, or the

phosphonic acid is activated in situ for reaction with an amine or a hydroxy compound.

The conversion of phosphonic acids into phosphoryl chlorides is accomplished by reaction with thionyl chloride, for example as described in *J. Gen. Chem. USSR*, 5 1983, 53, 480, *Zh. Obshchei Khim.*, 1958, 28, 1063, or *J. Org. Chem.*, 1994, 59, 6144, or by reaction with oxalyl chloride, as described in *J. Am. Chem. Soc.*, 1994, 116, 3251, or *J. Org. Chem.*, 1994, 59, 6144, or by reaction with phosphorus pentachloride, as described in *J. Org. Chem.*, 2001, 66, 329, or in *J. Med. Chem.*, 1995, 38, 1372. The resultant phosphoryl chlorides are then reacted with amines or hydroxy 10 compounds in the presence of a base to afford the amidate or ester products.

Phosphonic acids are converted into activated imidazolyl derivatives by reaction with carbonyl diimidazole, as described in *J. Chem. Soc., Chem. Comm.* (1991) 312, or *Nucleosides & Nucleotides* (2000) 19:1885. Activated sulfonyloxy derivatives are obtained by the reaction of phosphonic acids with 15 trichloromethylsulfonyl chloride or with triisopropylbenzenesulfonyl chloride, as described in *Tet. Lett.* (1996) 7857, or *Bioorg. Med. Chem. Lett.* (1998) 8:663. The activated sulfonyloxy derivatives are then reacted with amines or hydroxy compounds to afford amidates or esters.

Alternatively, the phosphonic acid and the amine or hydroxy reactant are 20 combined in the presence of a diimide coupling agent. The preparation of phosphonic amidates and esters by means of coupling reactions in the presence of dicyclohexyl carbodiimide is described, for example, in *J. Chem. Soc., Chem. Comm.* (1991) 312 or *Coll. Czech. Chem. Comm.* (1987) 52:2792. The use of ethyl dimethylaminopropyl carbodiimide for activation and coupling of phosphonic acids is described in *Tet.* 25 *Lett.*, (2001) 42:8841, or *Nucleosides & Nucleotides* (2000) 19:1885.

A number of additional coupling reagents have been described for the preparation of amidates and esters from phosphonic acids. The agents include Aldrithiol-2, and PYBOP and BOP, as described in *J. Org. Chem.*, 1995, 60, 5214, and *J. Med. Chem.* (1997) 40:3842, mesitylene-2-sulfonyl-3-nitro-1,2,4-triazole 30 (MSNT), as described in *J. Med. Chem.* (1996) 39:4958, diphenylphosphoryl azide, as described in *J. Org. Chem.* (1984) 49:1158, 1-(2,4,6-triisopropylbenzenesulfonyl-3-nitro-1,2,4-triazole (TPSNT) as described in *Bioorg. Med. Chem. Lett.* (1998) 8:1013, bromotris(dimethylamino)phosphonium hexafluorophosphate (BroP), as described in

*Tet. Lett.*, (1970) 31:3771, 2-chloro-2,2-dimethyl-2-oxo-1,3,2-dioxaphosphinane, as described in *Nucleosides Nucleotides* 1995, 14, 871, and diphenyl chlorophosphate, as described in *J. Med. Chem.*, 1988, 31, 1305.

Phosphonic acids are converted into amidates and esters by means of the  
5 Mitsunobu reaction, in which the phosphonic acid and the amine or hydroxy reactant are combined in the presence of a triaryl phosphine and a dialkyl azodicarboxylate. The procedure is described in *Org. Lett.*, 2001, 3, 643, or *J. Med. Chem.*, 1997, 40, 3842.

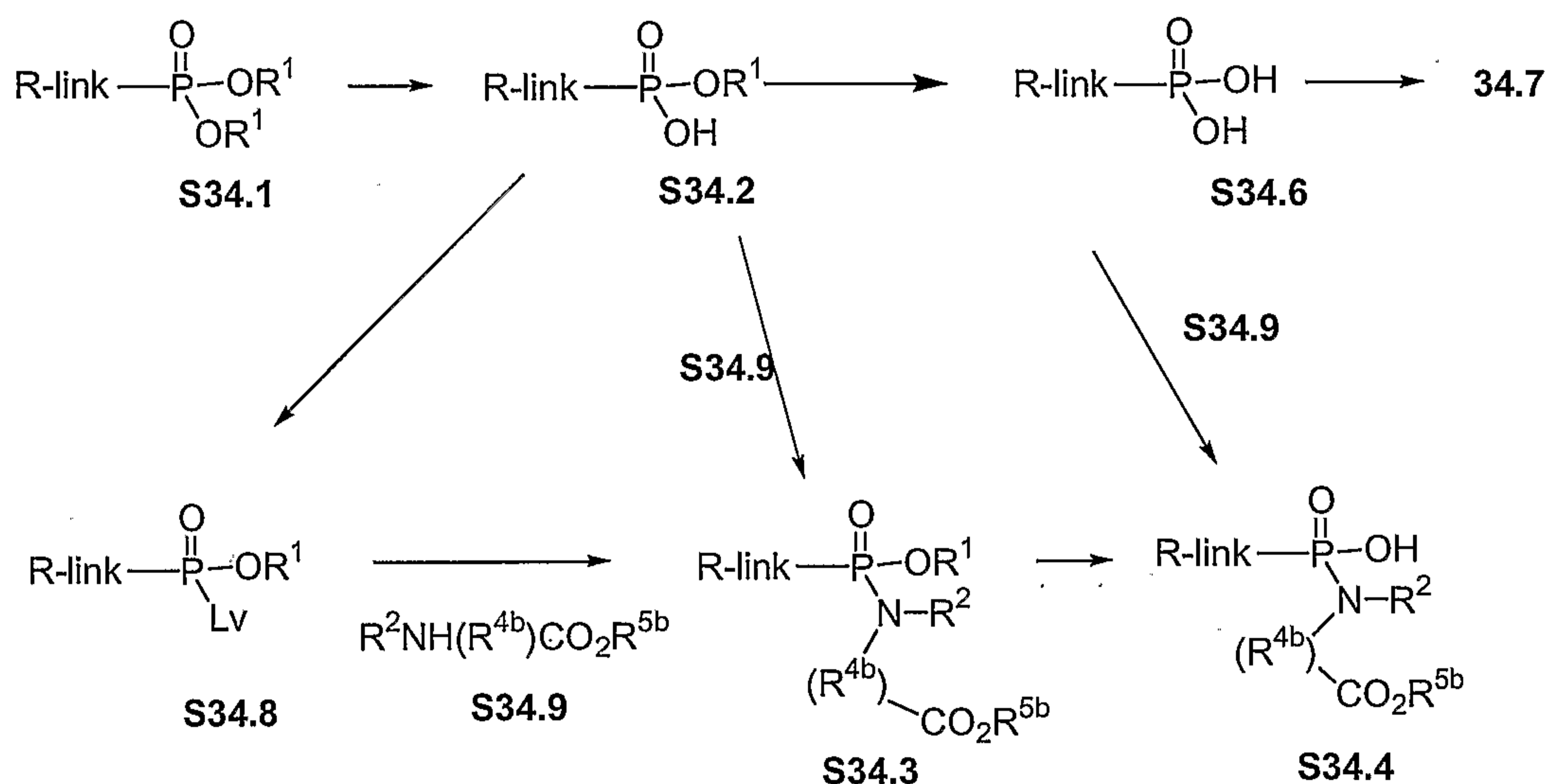
Phosphonic esters are also obtained by the reaction between phosphonic acids  
10 and halo compounds, in the presence of a suitable base. The method is described, for example, in *Anal. Chem.*, 1987, 59, 1056, or *J. Chem. Soc. Perkin Trans., I*, 1993, 19, 2303, or *J. Med. Chem.*, 1995, 38, 1372, or *Tet. Lett.*, 2002, 43, 1161.

Schemes 34-37 illustrate the conversion of phosphonate esters and phosphonic  
acids into carboalkoxy-substituted phosphonbisamidates (Scheme 34),  
15 phosphonamidates (Scheme 35), phosphonate monoesters (Scheme 36) and phosphonate diesters, (Scheme 37). Scheme 38 illustrates synthesis of gem-dialkyl amino phosphonate reagents.

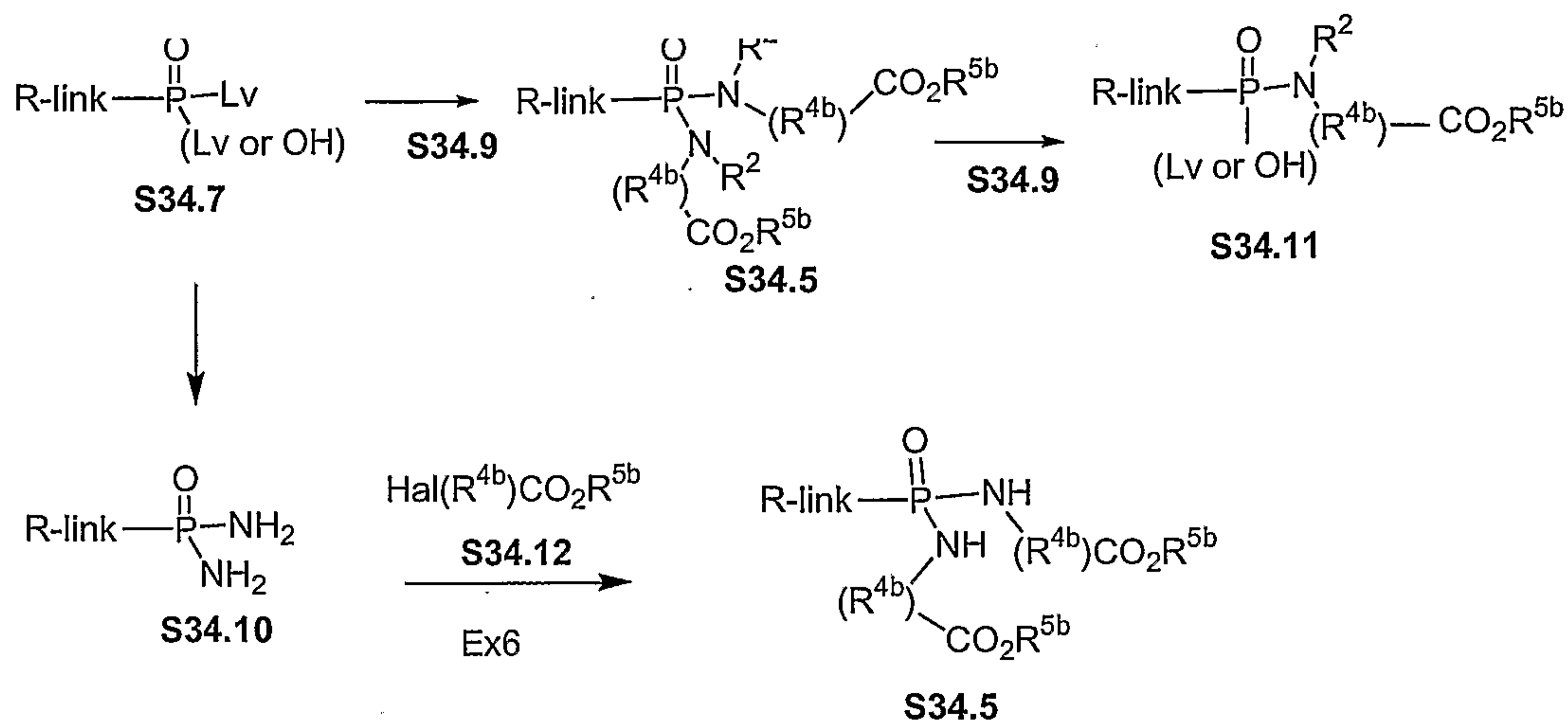
Scheme 34 illustrates various methods for the conversion of phosphonate  
diesters S34.1 into phosphonbisamidates S34.5. The diester S34.1, prepared as  
20 described previously, is hydrolyzed, either to the monoester S34.2 or to the phosphonic acid S34.6. The methods employed for these transformations are described above. The monoester S34.2 is converted into the monoamidate S34.3 by reaction with an aminoester S34.9, in which the group R<sup>2</sup> is H or alkyl; the group R<sup>4b</sup> is a divalent alkylene moiety such as, for example, CHCH<sub>3</sub>, CHCH<sub>2</sub>CH<sub>3</sub>,  
25 CH(CH(CH<sub>3</sub>)<sub>2</sub>), CH(CH<sub>2</sub>Ph), and the like, or a side chain group present in natural or modified aminoacids; and the group R<sup>5b</sup> is C<sub>1</sub>-C<sub>12</sub> alkyl, such as methyl, ethyl, propyl, isopropyl, or isobutyl; C<sub>6</sub>-C<sub>20</sub> aryl, such as phenyl or substituted phenyl; or C<sub>6</sub>-C<sub>20</sub> arylalkyl, such as benzyl or benzydryl. The reactants are combined in the presence of a coupling agent such as a carbodiimide, for example dicyclohexyl  
30 carbodiimide, as described in *J. Am. Chem. Soc.*, (1957) 79:3575, optionally in the presence of an activating agent such as hydroxybenztriazole, to yield the amidate product S34.3. The amidate-forming reaction is also effected in the presence of

coupling agents such as DCC, as described in *J. Org. Chem.* (1995) 60:5214, Aldrithiol, PYBOP and similar coupling agents used for the preparation of amides and esters. Alternatively, the reactants **S34.2** and **S34.9** are transformed into the monoamidate **S34.3** by means of a Mitsunobu reaction. The preparation of amidates by means of the Mitsunobu reaction is described in *J. Med. Chem.* (1995) 38:2742. Equimolar amounts of the reactants are combined in an inert solvent such as tetrahydrofuran in the presence of a triaryl phosphine and a dialkyl azodicarboxylate. The thus-obtained monoamidate ester **S34.3** is then transformed into amidate phosphonic acid **S34.4**. The conditions used for the hydrolysis reaction depend on the nature of the R<sup>1</sup> group, as described previously. The phosphonic acid amidate **S34.4** is then reacted with an aminoester **S34.9**, as described above, to yield the bisamidate product **S34.5**, in which the amino substituents are the same or different. Alternatively, the phosphonic acid **S34.6** may be treated with two different amino ester reagents simultaneously, *i.e.* **S34.9** where R<sup>2</sup>, R<sup>4b</sup> or R<sup>5b</sup> are different. The resulting mixture of bisamidate products **S34.5** may then be separable, *e.g.* by chromatography.

Scheme 34







An example of this procedure is shown in Scheme 34, Example 1. In this procedure, a dibenzyl phosphonate S34.14 is reacted with diazabicyclooctane (DABCO) in toluene at reflux, as described in *J. Org. Chem.*, 1995, 60, 2946, to afford the monobenzyl phosphonate S34.15. The product is then reacted with equimolar amounts of ethyl alaninate S34.16 and dicyclohexyl carbodiimide in pyridine, to yield the amidate product S34.17. The benzyl group is then removed, for example by hydrogenolysis over a palladium catalyst, to give the monoacid product S34.18 which may be unstable according to *J. Med. Chem.* (1997) 40(23):3842. This compound S34.18 is then reacted in a Mitsunobu reaction with ethyl leucinate S34.19, triphenyl phosphine and diethylazodicarboxylate, as described in *J. Med. Chem.*, 1995, 38, 2742, to produce the bisamidate product S34.20.

Using the above procedures, but employing in place of ethyl leucinate S34.19 or ethyl alaninate S34.16, different aminoesters S34.9, the corresponding products S34.5 are obtained.

Alternatively, the phosphonic acid S34.6 is converted into the bisamidate S34.5 by use of the coupling reactions described above. The reaction is performed in one step, in which case the nitrogen-related substituents present in the product S34.5 are the same, or in two steps, in which case the nitrogen-related substituents can be different.

An example of the method is shown in Scheme 34, Example 2. In this procedure, a phosphonic acid S34.6 is reacted in pyridine solution with excess ethyl phenylalaninate S34.21 and dicyclohexylcarbodiimide, for example as described in *J. Chem. Soc., Chem. Comm.*, 1991, 1063, to give the bisamidate product S34.22.

Using the above procedures, but employing, in place of ethyl phenylalaninate, different aminoesters **S34.9**, the corresponding products **S34.5** are obtained.

As a further alternative, the phosphonic acid **S34.6** is converted into the mono or bis-activated derivative **S34.7**, in which Lv is a leaving group such as chloro, imidazolyl, triisopropylbenzenesulfonyloxy etc. The conversion of phosphonic acids into chlorides **S34.7** (Lv = Cl) is effected by reaction with thionyl chloride or oxalyl chloride and the like, as described in Organic Phosphorus Compounds, G. M. Kosolapoff, L. Maeir, eds, Wiley, 1976, p. 17. The conversion of phosphonic acids into monoimidazolides **S34.7** (Lv = imidazolyl) is described in *J. Med. Chem.*, 2002, 45, 1284 and in *J. Chem. Soc. Chem. Comm.*, 1991, 312. Alternatively, the phosphonic acid is activated by reaction with triisopropylbenzenesulfonyl chloride, as described in *Nucleosides and Nucleotides*, 2000, 10, 1885. The activated product is then reacted with the aminoester **S34.9**, in the presence of a base, to give the bisamidate **S34.5**. The reaction is performed in one step, in which case the nitrogen substituents present in the product **S34.5** are the same, or in two steps, via the intermediate **S34.11**, in which case the nitrogen substituents can be different.

Examples of these methods are shown in Scheme 34, Examples 3 and 5. In the procedure illustrated in Scheme 34, Example 3, a phosphonic acid **S34.6** is reacted with ten molar equivalents of thionyl chloride, as described in *Zh. Obshchei Khim.*, 1958, 28, 1063, to give the dichloro compound **S34.23**. The product is then reacted at reflux temperature in a polar aprotic solvent such as acetonitrile, and in the presence of a base such as triethylamine, with butyl serinate **S34.24** to afford the bisamidate product **S34.25**.

Using the above procedures, but employing, in place of butyl serinate **S34.24**, different aminoesters **S34.9**, the corresponding products **S34.5** are obtained.

In the procedure illustrated in Scheme 34, Example 5, the phosphonic acid **S34.6** is reacted, as described in *J. Chem. Soc. Chem. Comm.*, 1991, 312, with carbonyl diimidazole to give the imidazolide **S34.S32**. The product is then reacted in acetonitrile solution at ambient temperature, with one molar equivalent of ethyl alaninate **S34.33** to yield the monodisplacement product **S34.S34**. The latter compound is then reacted with carbonyl diimidazole to produce the activated intermediate **S34.35**, and the product is then reacted, under the same conditions, with ethyl N-methylalaninate **S34.33a** to give the bisamidate product **S34.36**.

Using the above procedures, but employing, in place of ethyl alaninate **S34.33** or ethyl N-methylalaninate **S34.33a**, different aminoesters **S34.9**, the corresponding products **S34.5** are obtained.

The intermediate monoamidate **S34.3** is also prepared from the monoester **S34.2** by first converting the monoester into the activated derivative **S34.8** in which Lv is a leaving group such as halo, imidazolyl etc, using the procedures described above. The product **S34.8** is then reacted with an aminoester **S34.9** in the presence of a base such as pyridine, to give an intermediate monoamidate product **S34.3**. The latter compound is then converted, by removal of the R<sup>1</sup> group and coupling of the product with the aminoester **S34.9**, as described above, into the bisamidate **S34.5**.

An example of this procedure, in which the phosphonic acid is activated by conversion to the chloro derivative **S34.26**, is shown in Scheme 34, Example 4. In this procedure, the phosphonic monobenzyl ester **S34.15** is reacted, in dichloromethane, with thionyl chloride, as described in *Tet. Letters.*, 1994, 35, 4097, to afford the phosphoryl chloride **S34.26**. The product is then reacted in acetonitrile solution at ambient temperature with one molar equivalent of ethyl 3-amino-2-methylpropionate **S34.27** to yield the monoamidate product **S34.28**. The latter compound is hydrogenated in ethylacetate over a 5% palladium on carbon catalyst to produce the monoacid product **S34.29**. The product is subjected to a Mitsunobu coupling procedure, with equimolar amounts of butyl alaninate **S34.30**, triphenyl phosphine, diethylazodicarboxylate and triethylamine in tetrahydrofuran, to give the bisamidate product **S34.31**.

Using the above procedures, but employing, in place of ethyl 3-amino-2-methylpropionate **S34.27** or butyl alaninate **S34.30**, different aminoesters **S34.9**, the corresponding products **S34.5** are obtained.

The activated phosphonic acid derivative **S34.7** is also converted into the bisamidate **S34.5** via the diamino compound **S34.10**. The conversion of activated phosphonic acid derivatives such as phosphoryl chlorides into the corresponding amino analogs **S34.10**, by reaction with ammonia, is described in Organic Phosphorus Compounds, G. M. Kosolapoff, L. Maeir, eds, Wiley, 1976. The bisamino compound **S34.10** is then reacted at elevated temperature with a haloester **S34.12** (Hal = halogen, *i.e.* F, Cl, Br, I), in a polar organic solvent such as dimethylformamide, in the presence of a base such as 4, 4-dimethylaminopyridine (DMAP) or potassium

carbonate, to yield the bisamidate **S34.5**. Alternatively, **S34.6** may be treated with two different amino ester reagents simultaneously, *i.e.* **S34.12** where R<sup>4b</sup> or R<sup>5b</sup> are different. The resulting mixture of bisamidate products **S34.5** may then be separable, *e.g.* by chromatography.

5 An example of this procedure is shown in Scheme 34, Example 6. In this method, a dichlorophosphonate **S34.23** is reacted with ammonia to afford the diamide **S34.37**. The reaction is performed in aqueous, aqueous alcoholic or alcoholic solution, at reflux temperature. The resulting diamino compound is then reacted with two molar equivalents of ethyl 2-bromo-3-methylbutyrate **S34.38**, in a polar organic  
10 solvent such as N-methylpyrrolidinone at ca. 150 °C, in the presence of a base such as potassium carbonate, and optionally in the presence of a catalytic amount of potassium iodide, to afford the bisamidate product **S34.39**.

Using the above procedures, but employing, in place of ethyl 2-bromo-3-methylbutyrate **S34.38**, different haloesters **S34.12** the corresponding products **S34.5**  
15 are obtained.

The procedures shown in Scheme 34 are also applicable to the preparation of bisamidates in which the aminoester moiety incorporates different functional groups. Scheme 34, Example 7 illustrates the preparation of bisamidates derived from tyrosine. In this procedure, the monoimidazolide **S34.32** is reacted with propyl  
20 tyrosinate **S34.40**, as described in Example 5, to yield the monoamidate **S34.41**. The product is reacted with carbonyl diimidazole to give the imidazolide **S34.42**, and this material is reacted with a further molar equivalent of propyl tyrosinate to produce the bisamidate product **S34.43**.

Using the above procedures, but employing, in place of propyl tyrosinate  
25 **S34.40**, different aminoesters **S34.9**, the corresponding products **S34.5** are obtained. The aminoesters employed in the two stages of the above procedure can be the same or different, so that bisamidates with the same or different amino substituents are prepared.

Scheme 35 illustrates methods for the preparation of phosphonate  
30 monoamidates.

In one procedure, a phosphonate monoester **S34.1** is converted, as described in Scheme 34, into the activated derivative **S34.8**. This compound is then reacted, as

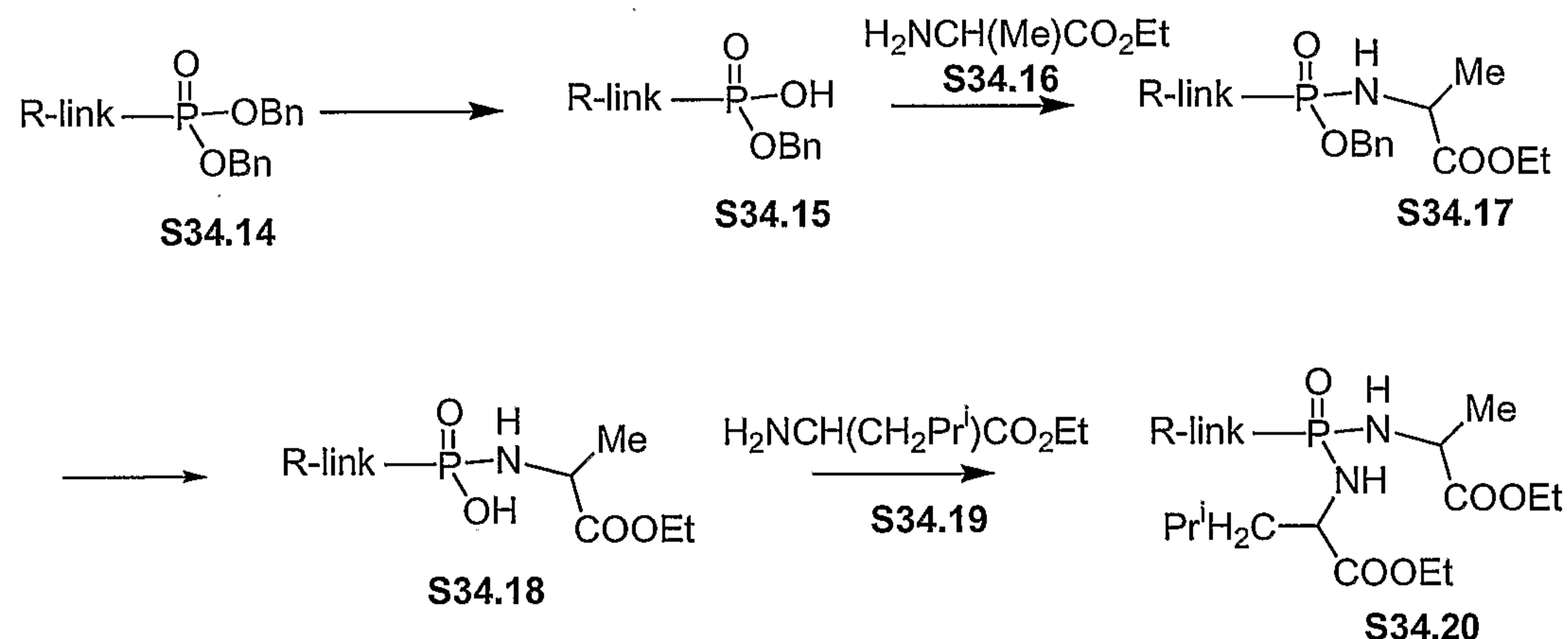
DESCRIBED ABOVE, WITH AN AMINOESTER S34.9, in the presence of a base, to afford the monoamidate product **S35.1**.

The procedure is illustrated in Scheme 35, Example 1. In this method, a monophenyl phosphonate **S35.7** is reacted with, for example, thionyl chloride, as described in *J. Gen. Chem. USSR.*, 1983, 32, 367, to give the chloro product **S35.8**. The product is then reacted, as described in Scheme 34, with ethyl alaninate **S3**, to yield the amidate **S35.10**.

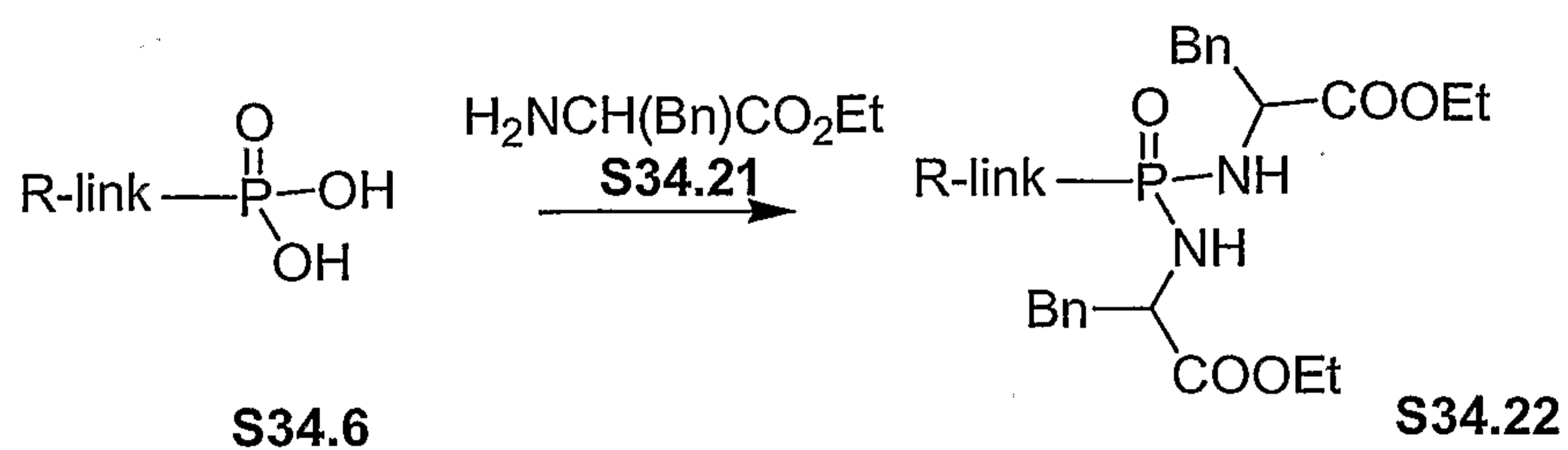
Using the above procedures, but employing, in place of ethyl alaninate **S35.9**, different aminoesters **S34.9**, the corresponding products **S35.1** are obtained.

Alternatively, the phosphonate monoester **S34.1** is coupled, as described in Scheme 34, with an aminoester **S34.9** to produce the amidate **S35.1**. If necessary, the R<sup>1</sup> substituent is then altered, by initial cleavage to afford the phosphonic acid **S35.2**. The procedures for this transformation depend on the nature of the R<sup>1</sup> group, and are described above. The phosphonic acid is then transformed into the ester amidate product **S35.3**, by reaction with the hydroxy compound R<sup>3</sup>OH, in which the group R<sup>3</sup> is aryl, heterocycle, alkyl, cycloalkyl, haloalkyl etc, using the same coupling procedures (carbodiimide, Aldrithiol-2, PYBOP, Mitsunobu reaction etc) described in Scheme 34 for the coupling of amines and phosphonic acids.

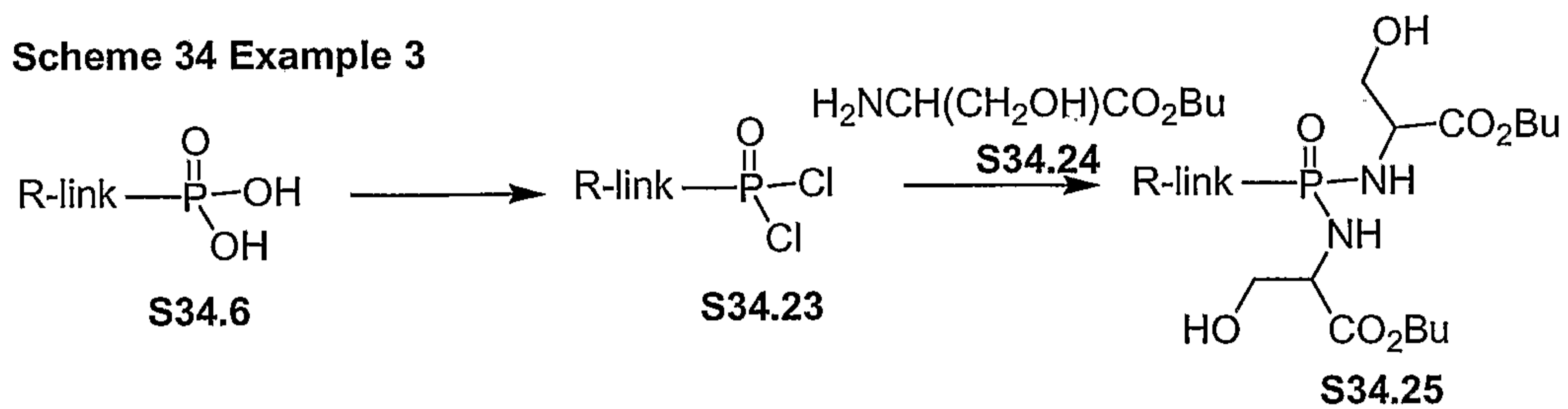
#### Scheme 34 Example 1



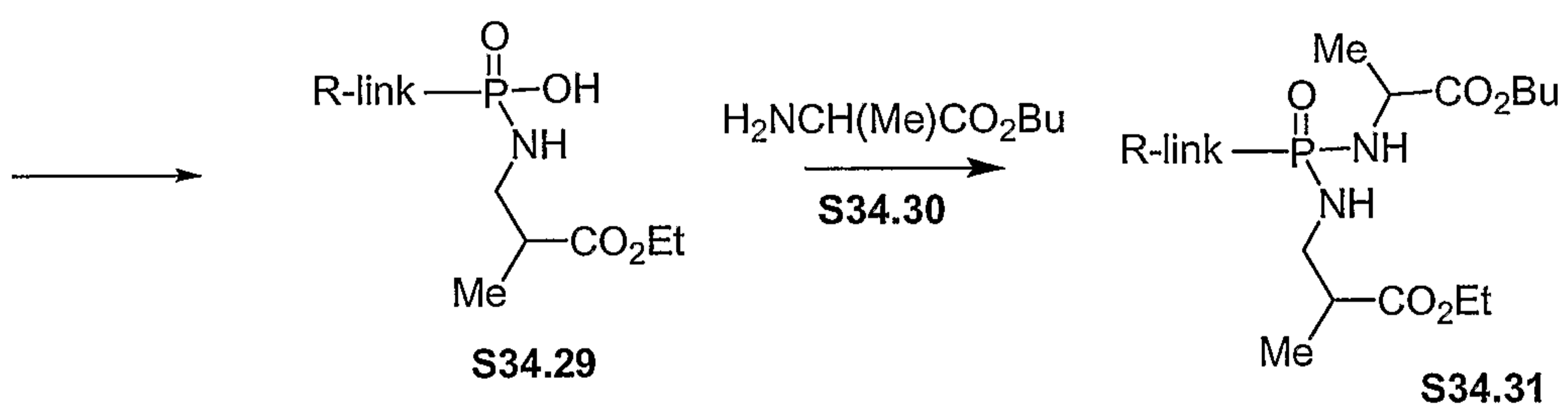
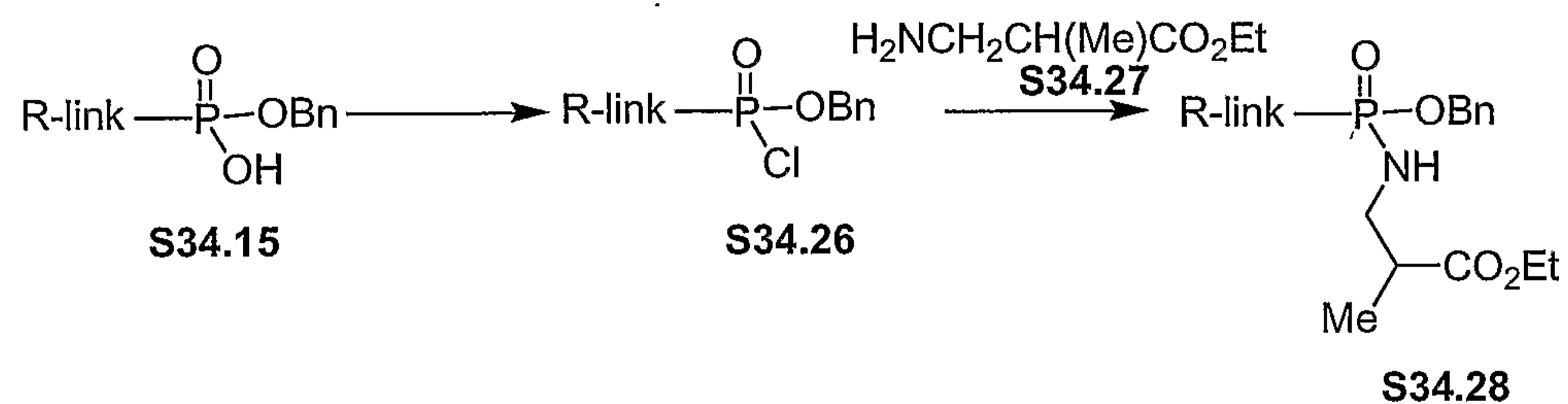
## Scheme 34 Example 2



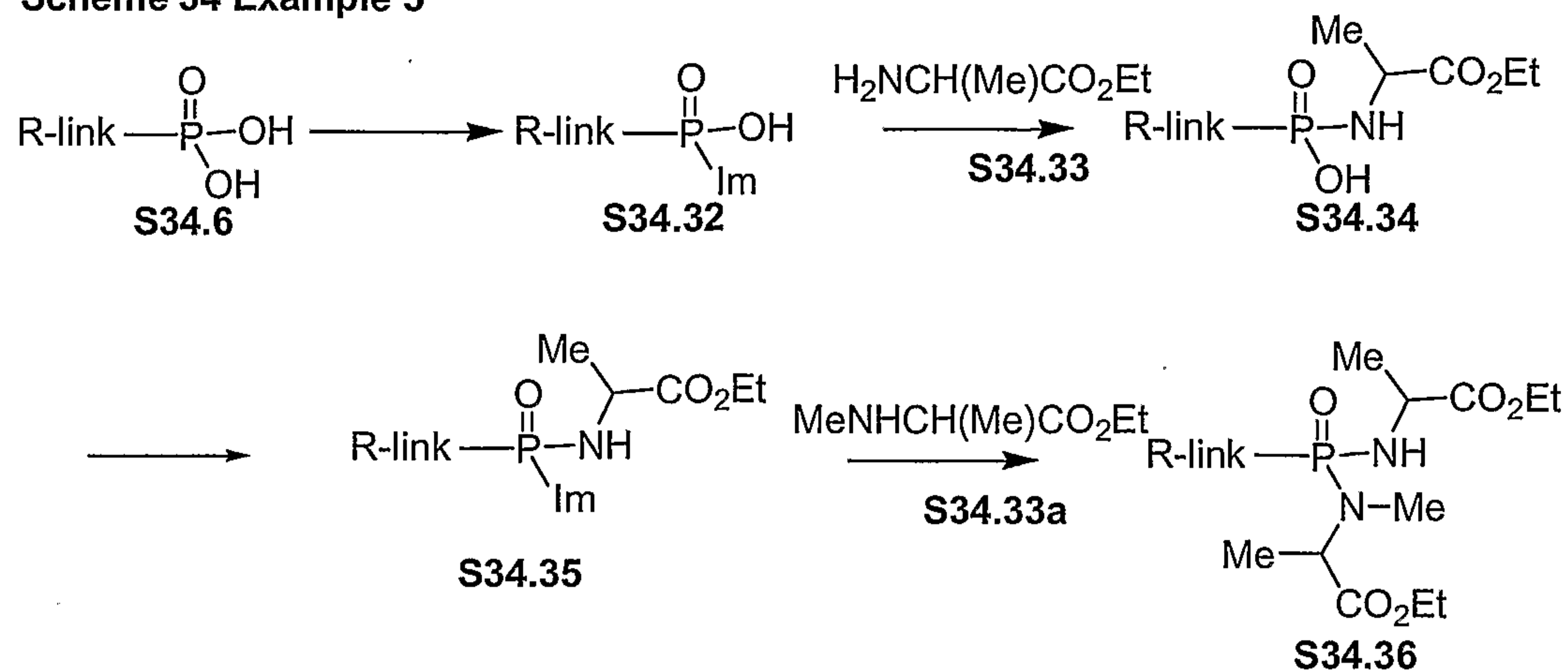
## Scheme 34 Example 3



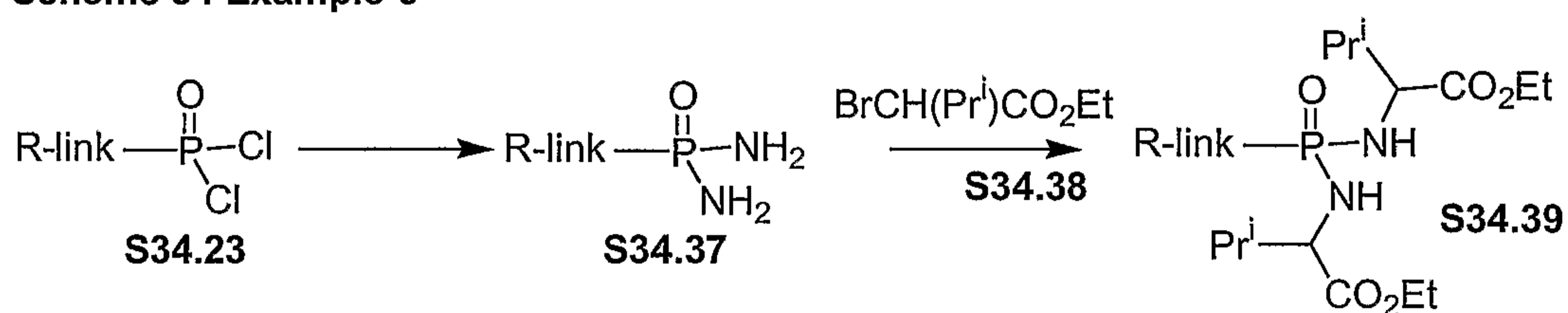
## Scheme 34 Example 4



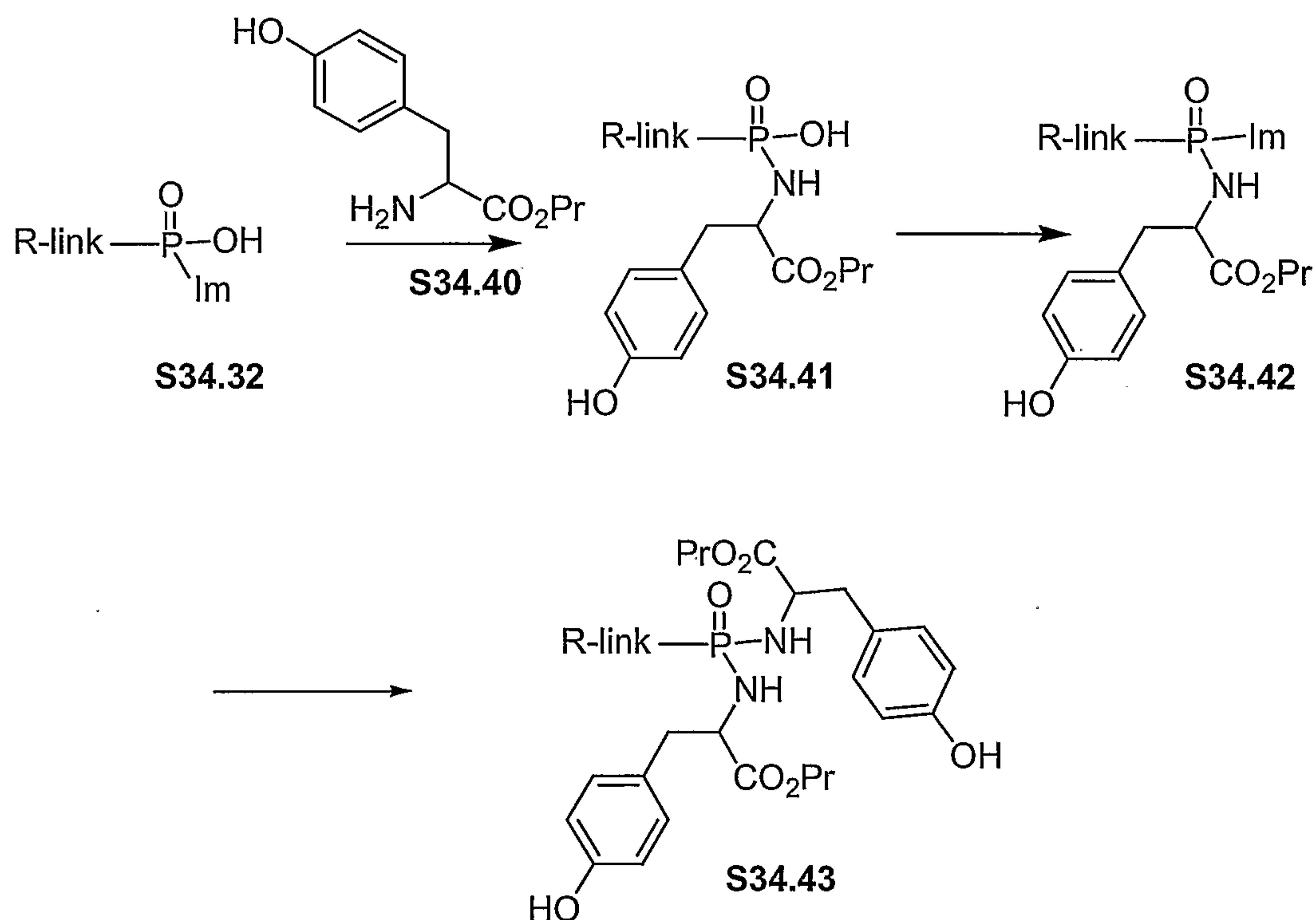
## Scheme 34 Example 5



## Scheme 34 Example 6



## Scheme 34 Example 7



Examples of this method are shown in Scheme 35, Examples 2 and 3. In the sequence shown in Example 2, a monobenzyl phosphonate **S35.11** is transformed by

reaction with ethyl alaninate, using one of the methods described above, into the monoamidate **S35.12**. The benzyl group is then removed by catalytic hydrogenation in ethylacetate solution over a 5% palladium on carbon catalyst, to afford the phosphonic acid amidate **S35.13**. The product is then reacted in dichloromethane solution at ambient temperature with equimolar amounts of 1-(dimethylaminopropyl)-3-ethylcarbodiimide and trifluoroethanol **S35.14**, for example as described in *Tet. Lett.*, 2001, 42, 8841, to yield the amidate ester **S35.15**.

In the sequence shown in Scheme 35, Example 3, the monoamidate **S35.13** is coupled, in tetrahydrofuran solution at ambient temperature, with equimolar amounts of dicyclohexyl carbodiimide and 4-hydroxy-N-methylpiperidine **S35.16**, to produce the amidate ester product **S35.17**.

Using the above procedures, but employing, in place of the ethyl alaninate product **S35.12** different monoacids **S35.2**, and in place of trifluoroethanol **S35.14** or 4-hydroxy-N-methylpiperidine **S35.16**, different hydroxy compounds  $R^3OH$ , the corresponding products **S35.3** are obtained.

Alternatively, the activated phosphonate ester **S34.8** is reacted with ammonia to yield the amidate **S35.4**. The product is then reacted, as described in Scheme 34, with a haloester **S35.5**, in the presence of a base, to produce the amidate product **S35.6**. If appropriate, the nature of the  $R^1$  group is changed, using the procedures described above, to give the product **S35.3**. The method is illustrated in Scheme 35, Example 4. In this sequence, the monophenyl phosphoryl chloride **S35.18** is reacted, as described in Scheme 34, with ammonia, to yield the amino product **S35.19**. This material is then reacted in N-methylpyrrolidinone solution at 170° with butyl 2-bromo-3-phenylpropionate **S35.20** and potassium carbonate, to afford the amidate product **S35.21**.

Using these procedures, but employing, in place of butyl 2-bromo-3-phenylpropionate **S35.20**, different haloesters **S35.5**, the corresponding products **S35.6** are obtained.

The monoamidate products **S35.3** are also prepared from the doubly activated phosphonate derivatives **S34.7**. In this procedure, examples of which are described in *Synlett.*, 1998, 1, 73, the intermediate **S34.7** is reacted with a limited amount of the aminoester **S34.9** to give the mono-displacement product **S34.11**. The latter compound is then reacted with the hydroxy compound  $R^3OH$  in a polar organic

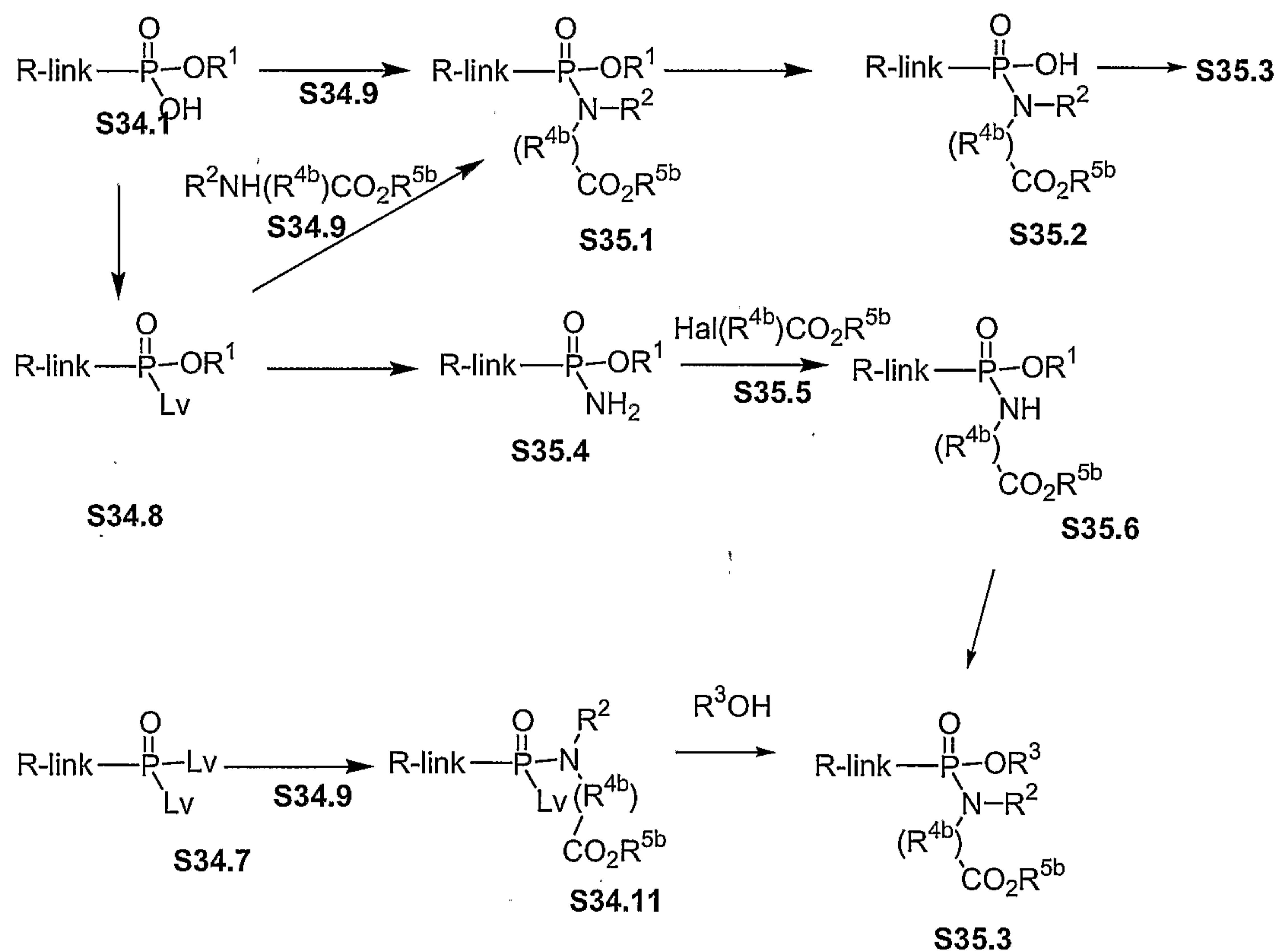


solvent such as dimethylformamide, in the presence of a base such as diisopropylethylamine, to yield the monoamidate ester **S35.3**.

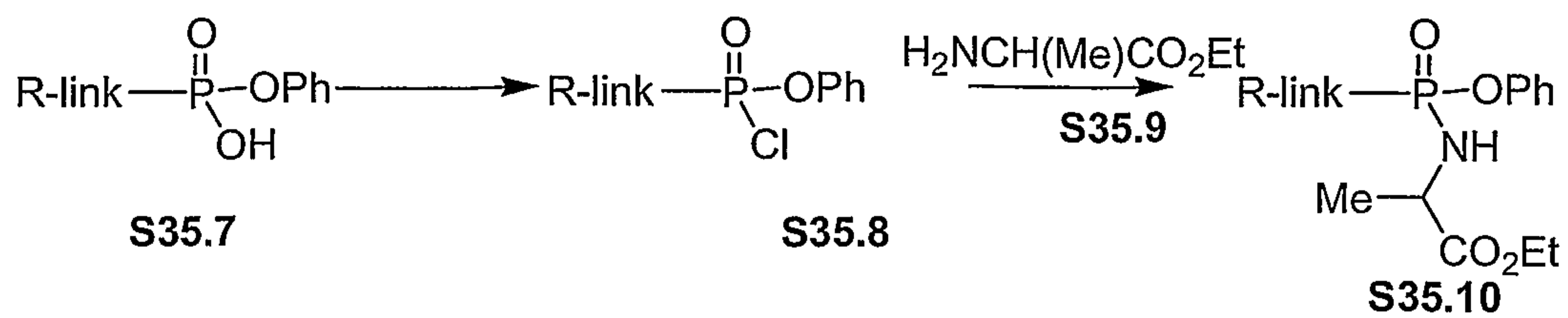
The method is illustrated in Scheme 35, Example 5. In this method, the phosphoryl dichloride **S35.22** is reacted in dichloromethane solution with one molar equivalent of ethyl N-methyl tyrosinate **S35.23** and dimethylaminopyridine, to generate the monoamidate **S35.24**. The product is then reacted with phenol **S35.25** in dimethylformamide containing potassium carbonate, to yield the ester amidate product **S35.26**.

Using these procedures, but employing, in place of ethyl N-methyl tyrosinate **S35.23** or phenol **S35.25**, the aminoesters **34.9** and/or the hydroxy compounds  $R^3OH$ , the corresponding products **S35.3** are obtained.

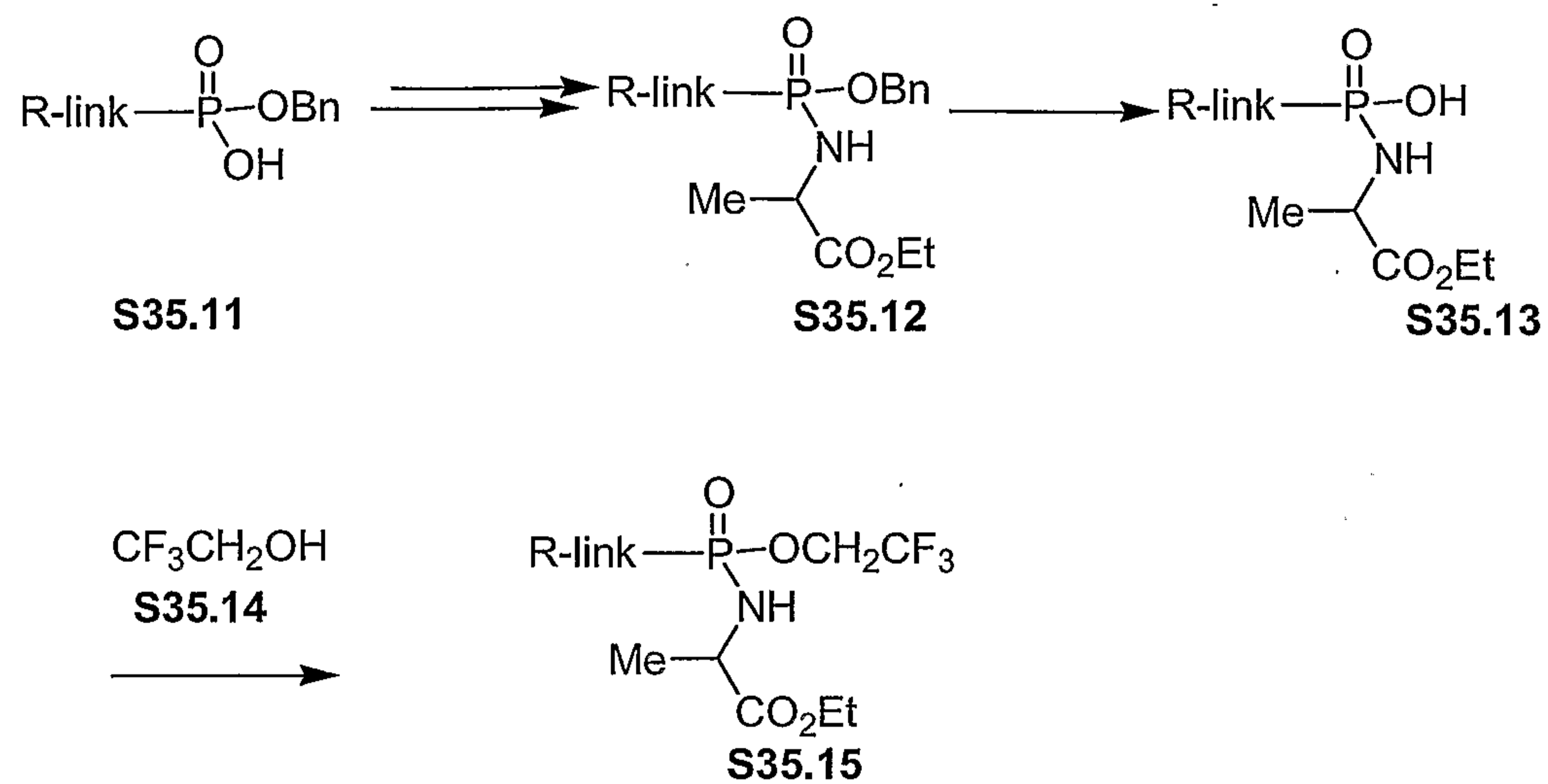
Scheme 35



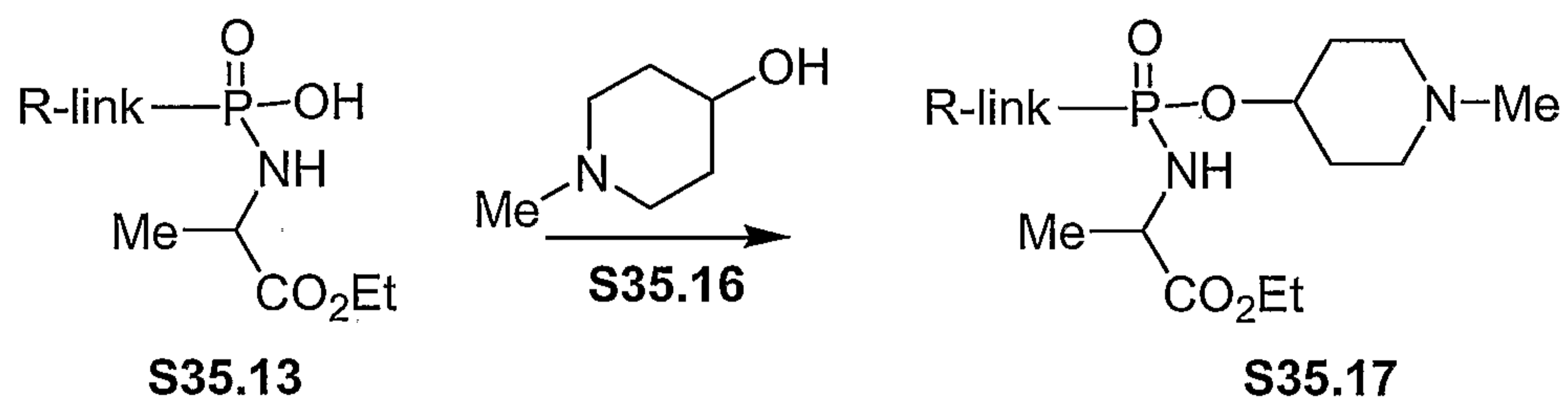
## Scheme 35 Example 1



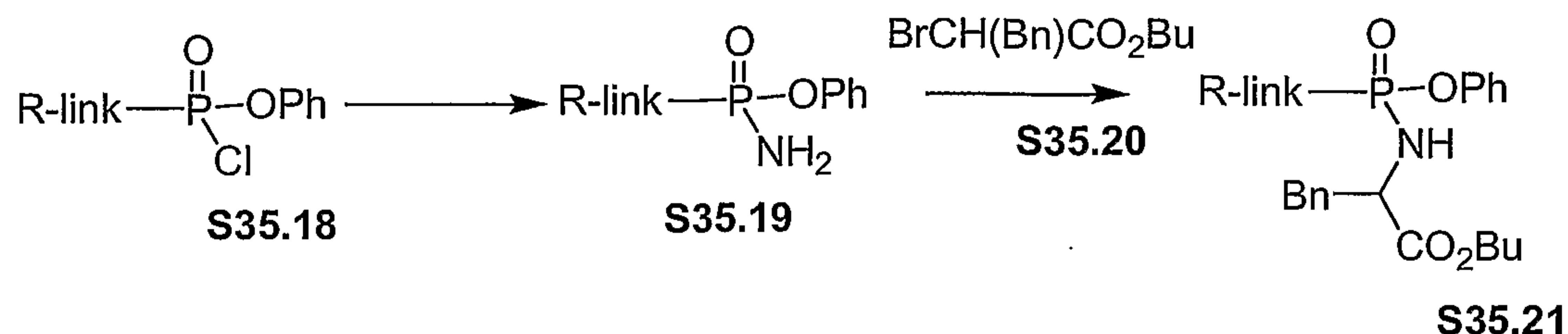
## Scheme 35 Example 2



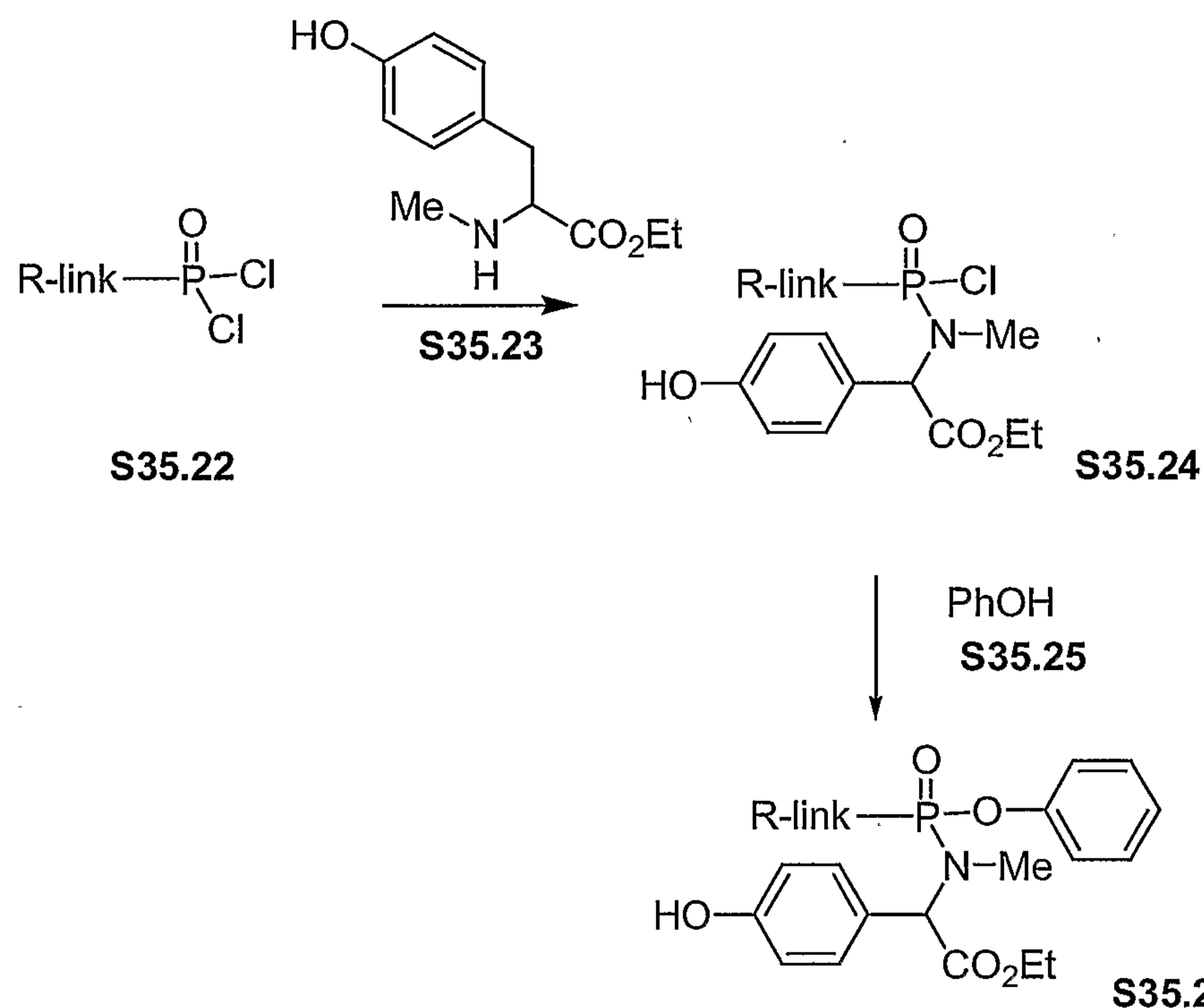
## Scheme 35 Example 3



## Scheme 35 Example 4



## Scheme 35 Example 5



Scheme 36 illustrates methods for the preparation of carboalkoxy-substituted phosphonate diesters in which one of the ester groups incorporates a carboalkoxy substituent.

- 5 In one procedure, a phosphonate monoester S34.1, prepared as described above, is coupled, using one of the methods described above, with a hydroxyester S36.1, in which the groups R<sup>4b</sup> and R<sup>5b</sup> are as described in Scheme 34. For example, equimolar amounts of the reactants are coupled in the presence of a carbodiimide such as dicyclohexyl carbodiimide, as described in *Aust. J. Chem.*, 1963, 609, optionally in
- 10 the presence of dimethylaminopyridine, as described in *Tet.*, 1999, 55, 12997. The reaction is conducted in an inert solvent at ambient temperature.

The procedure is illustrated in Scheme 36, Example 1. In this method, a monophenyl phosphonate S36.9 is coupled, in dichloromethane solution in the

presence of dicyclohexyl carbodiimide, with ethyl 3-hydroxy-2-methylpropionate **S36.10** to yield the phosphonate mixed diester **S36.11**.

Using this procedure, but employing, in place of ethyl 3-hydroxy-2-methylpropionate **S36.10**, different hydroxyesters **S33.1**, the corresponding products **S33.2** are obtained.

The conversion of a phosphonate monoester **S34.1** into a mixed diester **S36.2** is also accomplished by means of a Mitsunobu coupling reaction with the hydroxyester **S36.1**, as described in *Org. Lett.*, 2001, 643. In this method, the reactants **34.1** and **S36.1** are combined in a polar solvent such as tetrahydrofuran, in the presence of a triarylphosphine and a dialkyl azodicarboxylate, to give the mixed diester **S36.2**. The R<sup>1</sup> substituent is varied by cleavage, using the methods described previously, to afford the monoacid product **S36.3**. The product is then coupled, for example using methods described above, with the hydroxy compound R<sup>3</sup>OH, to give the diester product **S36.4**.

The procedure is illustrated in Scheme 36, Example 2. In this method, a monoallyl phosphonate **S36.12** is coupled in tetrahydrofuran solution, in the presence of triphenylphosphine and diethylazodicarboxylate, with ethyl lactate **S36.13** to give the mixed diester **S36.14**. The product is reacted with tris(triphenylphosphine) rhodium chloride (Wilkinson catalyst) in acetonitrile, as described previously, to remove the allyl group and produce the monoacid product **S36.15**. The latter compound is then coupled, in pyridine solution at ambient temperature, in the presence of dicyclohexyl carbodiimide, with one molar equivalent of 3-hydroxypyridine **S36.16** to yield the mixed diester **S36.17**.

Using the above procedures, but employing, in place of the ethyl lactate **S36.13** or 3-hydroxypyridine, a different hydroxyester **S36.1** and/or a different hydroxy compound R<sup>3</sup>OH, the corresponding products **S36.4** are obtained.

The mixed diesters **S36.2** are also obtained from the monoesters **S34.1** via the intermediacy of the activated monoesters **S36.5**. In this procedure, the monoester **S34.1** is converted into the activated compound **S36.5** by reaction with, for example, phosphorus pentachloride, as described in *J. Org. Chem.*, 2001, 66, 329, or with thionyl chloride or oxalyl chloride (Lv = Cl), or with triisopropylbenzenesulfonyl chloride in pyridine, as described in *Nucleosides and Nucleotides*, 2000, 19, 1885, or with carbonyl diimidazole, as described in *J. Med. Chem.*, 2002, 45, 1284. The

activated hydroxyester is then reacted with the hydroxyester **S36.1**, as described above, to yield the mixed diester **S36.2**.

The procedure is illustrated in Scheme 36, Example 3. In this sequence, a monophenyl phosphonate **S36.9** is reacted, in acetonitrile solution at 70 °C, with ten equivalents of thionyl chloride, so as to produce the phosphoryl chloride **S36.19**. The product is then reacted with ethyl 4-carbamoyl-2-hydroxybutyrate **S36.20** in dichloromethane containing triethylamine, to give the mixed diester **S36.21**.

Using the above procedures, but employing, in place of ethyl 4-carbamoyl-2-hydroxybutyrate **S36.20**, different hydroxyesters **S36.1**, the corresponding products **S36.2** are obtained.

The mixed phosphonate diesters are also obtained by an alternative route for incorporation of the R<sup>3</sup>O group into intermediates **S36.3** in which the hydroxyester moiety is already incorporated. In this procedure, the monoacid intermediate **S36.3** is converted into the activated derivative **S36.6** in which Lv is a leaving group such as chloro, imidazole, and the like, as previously described. The activated intermediate is then reacted with the hydroxy compound R<sup>3</sup>OH, in the presence of a base, to yield the mixed diester product **S36.4**.

The method is illustrated in Scheme 36, Example 4. In this sequence, the phosphonate monoacid **S36.22** is reacted with trichloromethanesulfonyl chloride in tetrahydrofuran containing collidine, as described in *J. Med. Chem.*, 1995, 38, 4648, to produce the trichloromethanesulfonyloxy product **S36.23**. This compound is reacted with 3-(morpholinomethyl)phenol **S36.24** in dichloromethane containing triethylamine, to yield the mixed diester product **S36.25**.

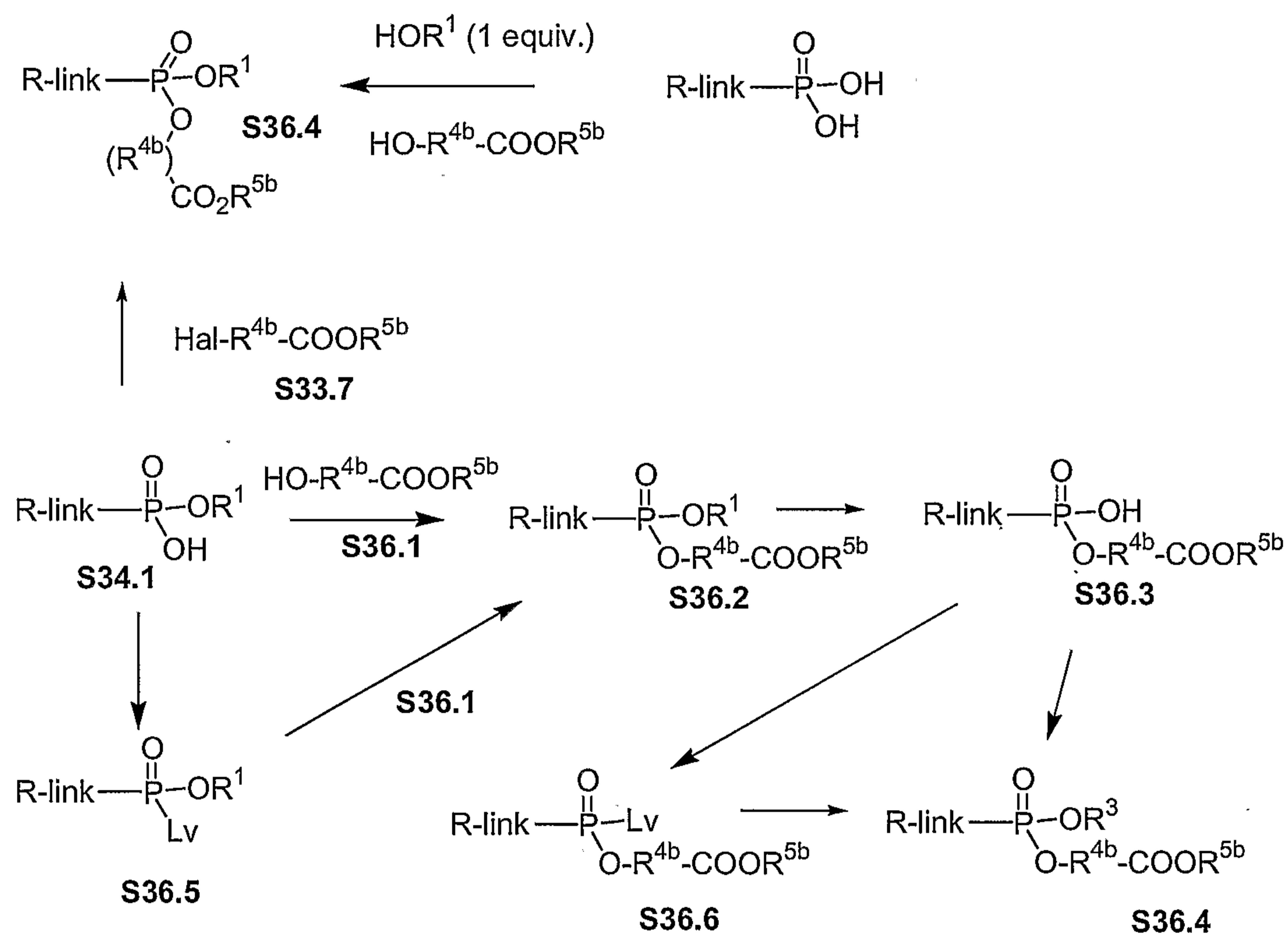
Using the above procedures, but employing, in place of with 3-(morpholinomethyl)phenol **S36.24**, different alcohols R<sup>3</sup>OH, the corresponding products **S36.4** are obtained.

The phosphonate esters **S36.4** are also obtained by means of alkylation reactions performed on the monoesters **S34.1**. The reaction between the monoacid **S34.1** and the haloester **S36.7** is performed in a polar solvent in the presence of a base such as diisopropylethylamine, as described in *Anal. Chem.*, 1987, 59, 1056, or triethylamine, as described in *J. Med. Chem.*, 1995, 38, 1372, or in a non-polar solvent such as benzene, in the presence of 18-crown-6, as described in *Syn. Comm.*, 1995, 25, 3565.

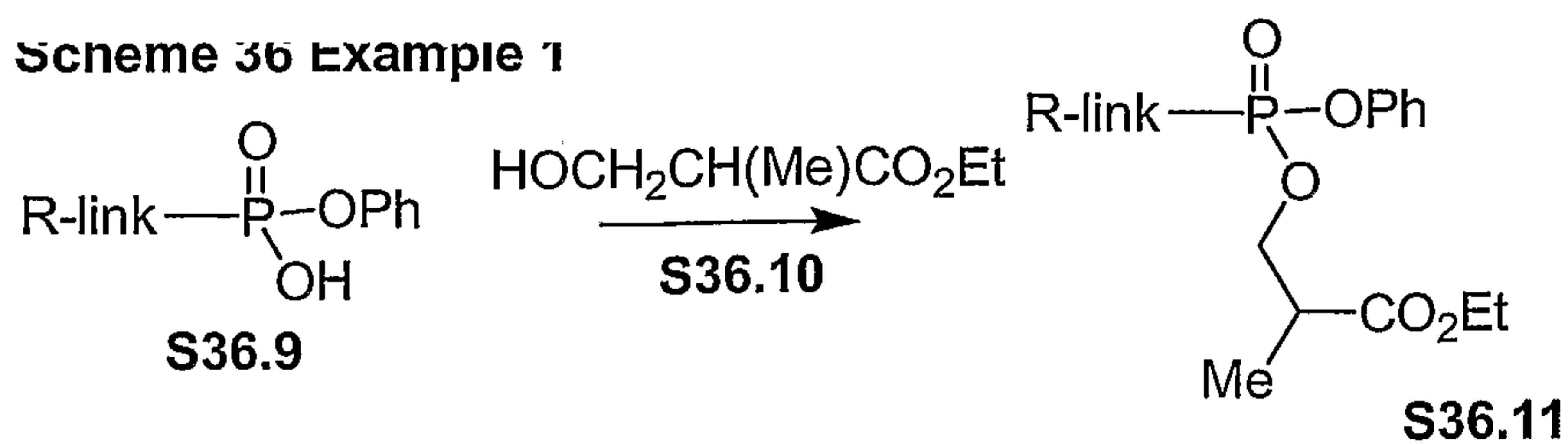
The method is illustrated in Scheme 36, Example 5. In this procedure, the monoacid **S36.26** is reacted with ethyl 2-bromo-3-phenylpropionate **S36.27** and diisopropylethylamine in dimethylformamide at 80 °C to afford the mixed diester product **S36.28**.

- 5 Using the above procedure, but employing, in place of ethyl 2-bromo-3-phenylpropionate **S36.27**, different haloesters **S36.7**, the corresponding products **S36.4** are obtained.

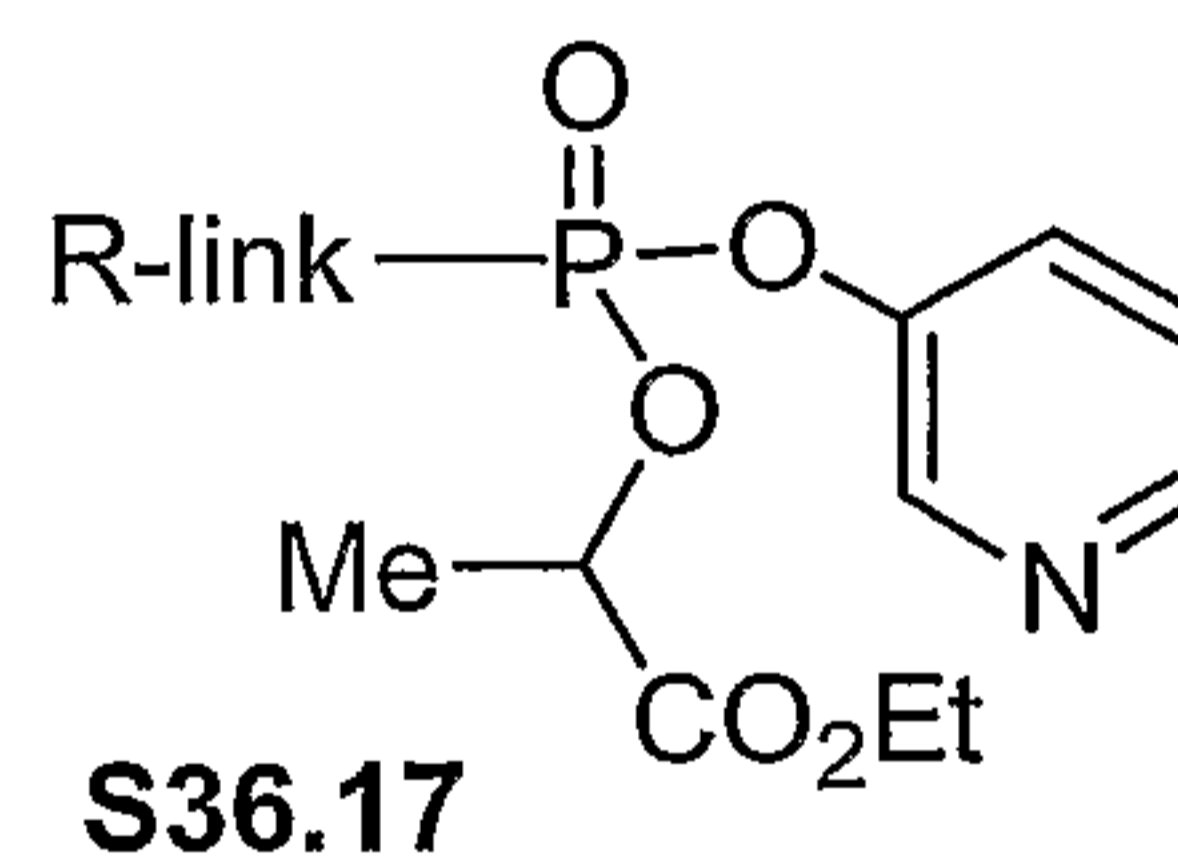
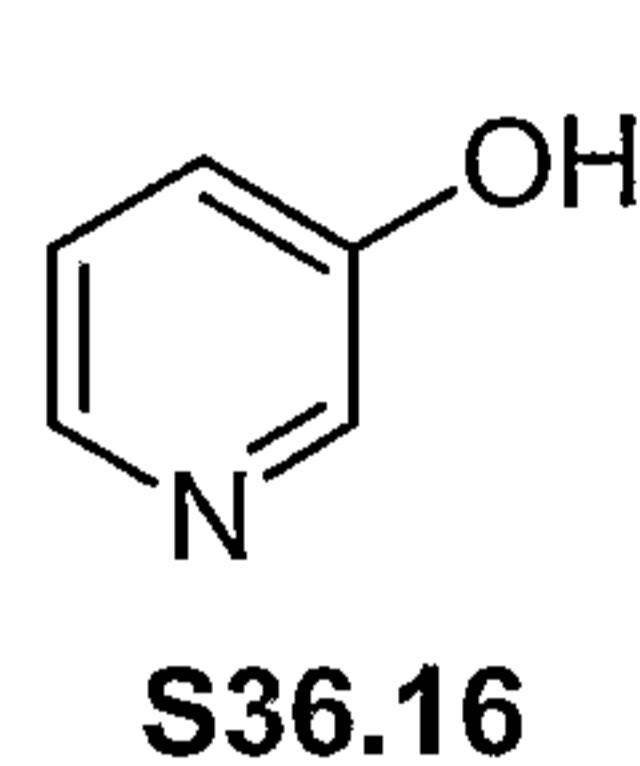
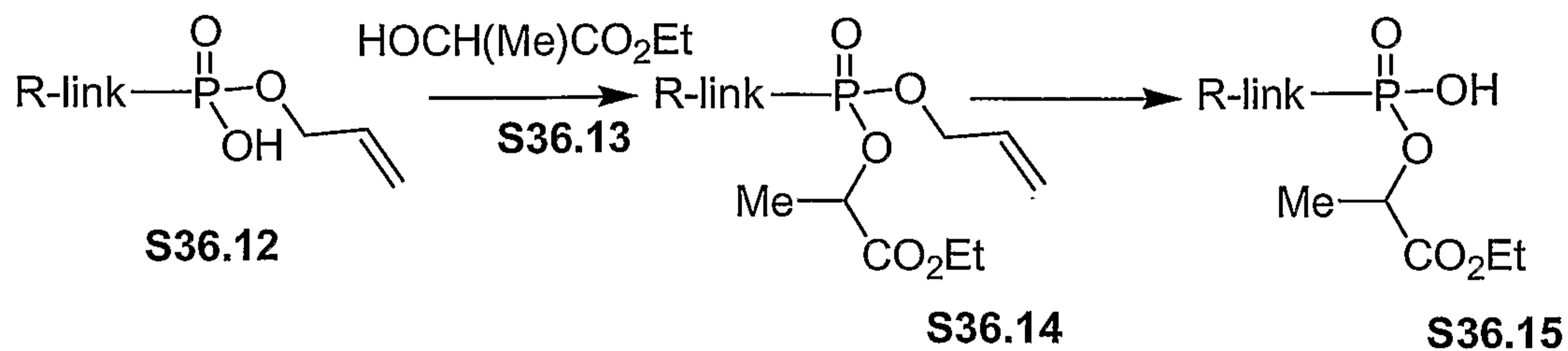
Scheme 36



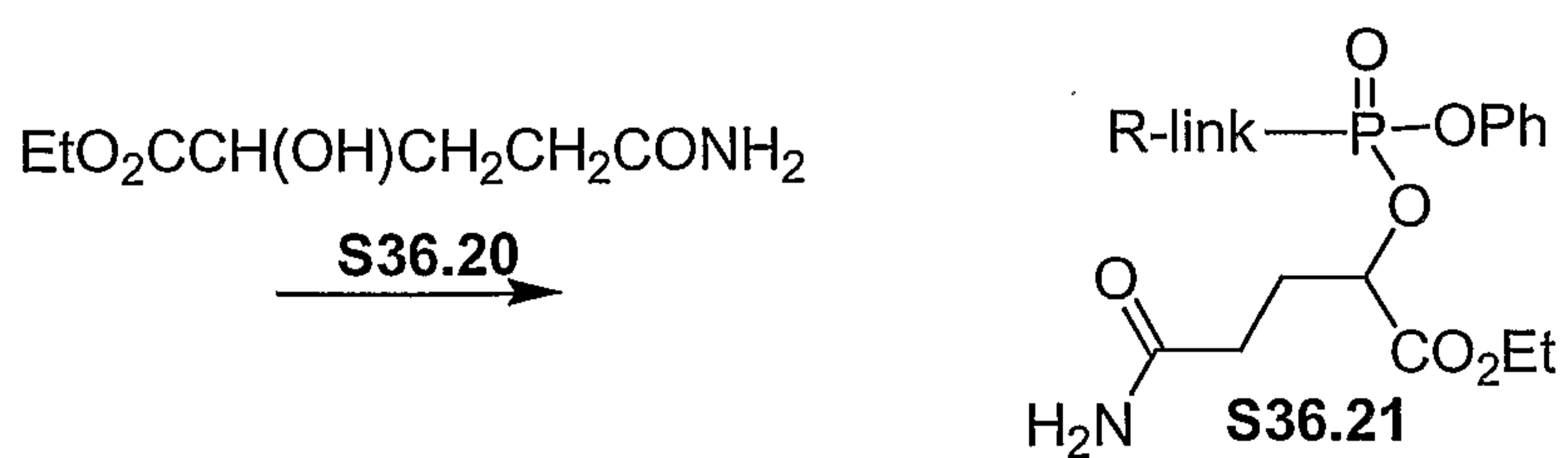
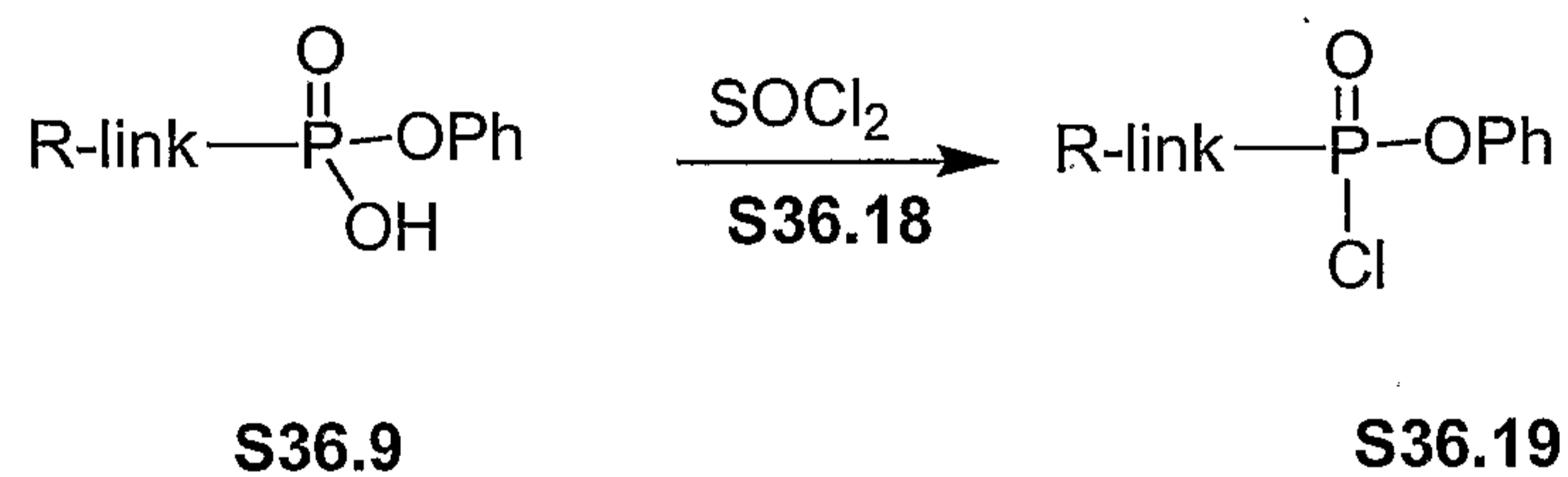
## Scheme 36 Example 1



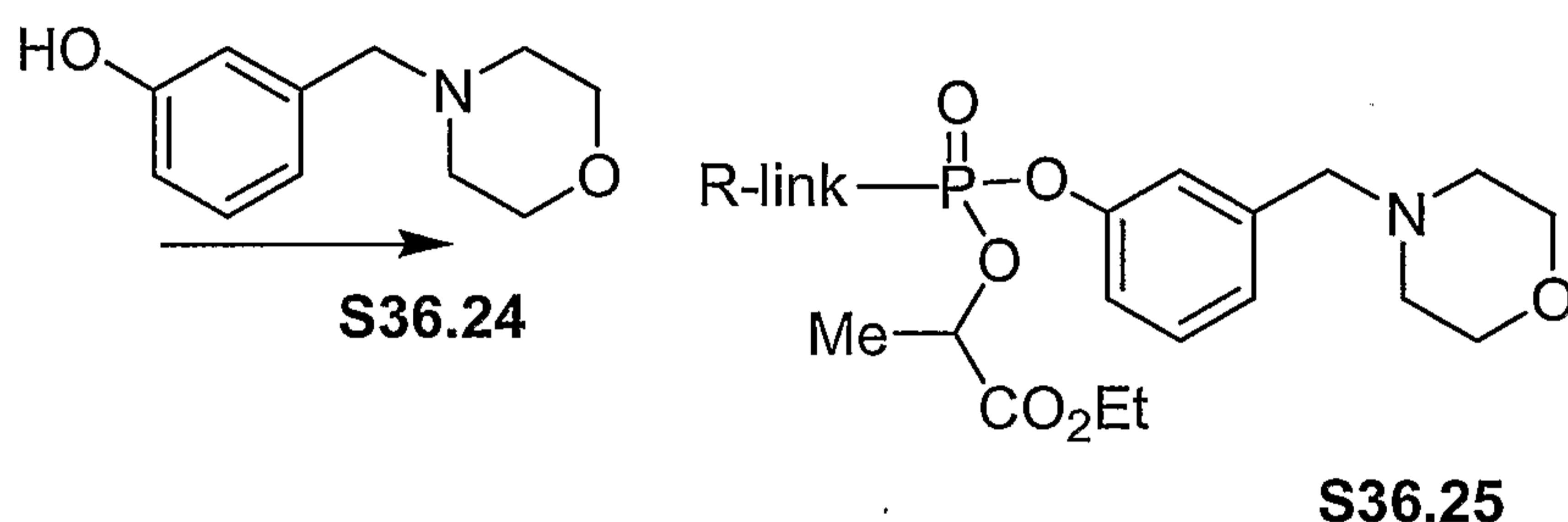
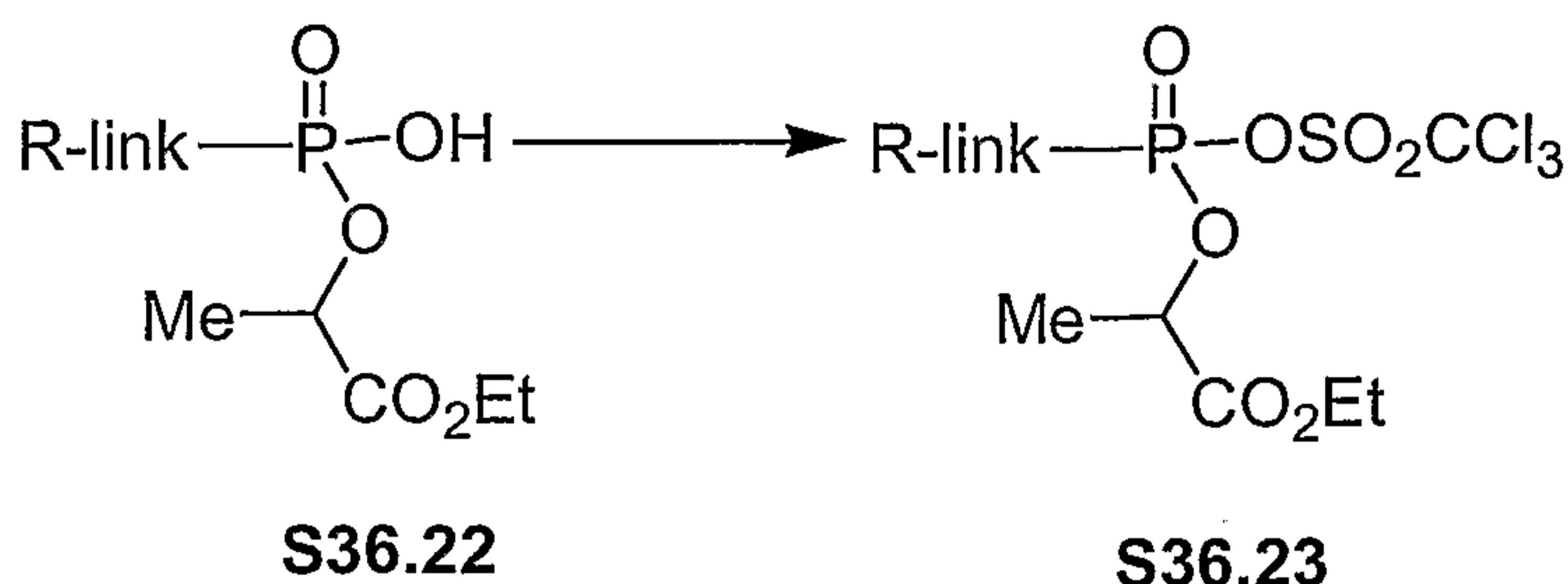
## Scheme 36 Example 2



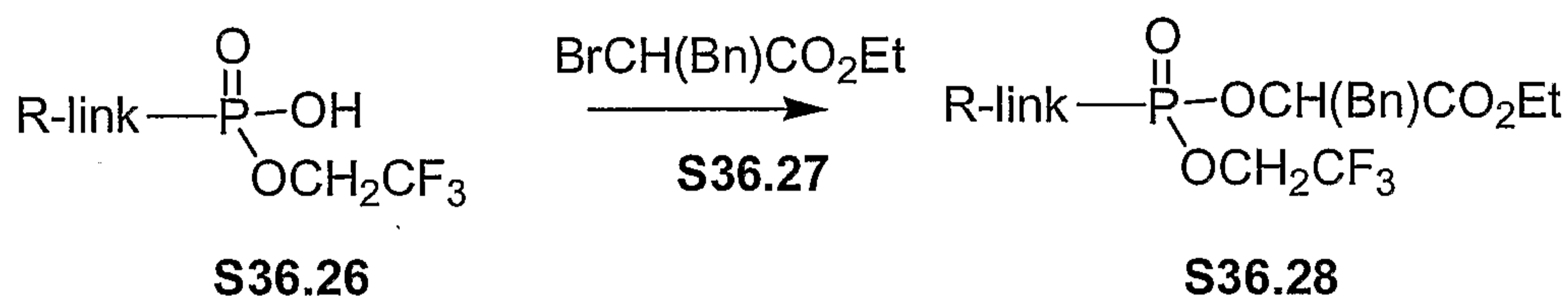
## Scheme 36 Example 3



## Scheme 36 Example 4



## Scheme 36 Example 5



Scheme 37 illustrates methods for the preparation of phosphonate diesters in which both the ester substituents incorporate carboalkoxy groups.

The compounds are prepared directly or indirectly from the phosphonic acids S34.6. In one alternative, the phosphonic acid is coupled with the hydroxyester S37.2, using the conditions described previously in Schemes 34-36, such as coupling reactions using dicyclohexyl carbodiimide or similar reagents, or under the conditions of the Mitsunobu reaction, to afford the diester product S37.3 in which the ester substituents are identical.

This method is illustrated in Scheme 37, Example 1. In this procedure, the phosphonic acid S34.6 is reacted with three molar equivalents of butyl lactate S37.5



in the presence of aluminum-*t*-butyl phosphine in pyridine at ca. 70 °C, to afford the diester **S37.6**.

Using the above procedure, but employing, in place of butyl lactate **S37.5**, different hydroxyesters **S37.2**, the corresponding products **S37.3** are obtained.

5 Alternatively, the diesters **S37.3** are obtained by alkylation of the phosphonic acid **S34.6** with a haloester **S37.1**. The alkylation reaction is performed as described in Scheme 36 for the preparation of the esters **S36.4**.

This method is illustrated in Scheme 37, Example 2. In this procedure, the phosphonic acid **S34.6** is reacted with excess ethyl 3-bromo-2-methylpropionate  
10 **S37.7** and diisopropylethylamine in dimethylformamide at ca. 80 °C, as described in *Anal. Chem.*, 1987, 59, 1056, to produce the diester **S37.8**.

Using the above procedure, but employing, in place of ethyl 3-bromo-2-methylpropionate **S37.7**, different haloesters **S37.1**, the corresponding products **S37.3** are obtained.

15 The diesters **S37.3** are also obtained by displacement reactions of activated derivatives **S34.7** of the phosphonic acid with the hydroxyesters **S37.2**. The displacement reaction is performed in a polar solvent in the presence of a suitable base, as described in Scheme 36. The displacement reaction is performed in the presence of an excess of the hydroxyester, to afford the diester product **S37.3** in which  
20 the ester substituents are identical, or sequentially with limited amounts of different hydroxyesters, to prepare diesters **S37.3** in which the ester substituents are different.

The methods are illustrated in Scheme 37, Examples 3 and 4. As shown in Example 3, the phosphoryl dichloride **S35.22** is reacted with three molar equivalents of ethyl 3-hydroxy-2-(hydroxymethyl)propionate **S37.9** in tetrahydrofuran containing  
25 potassium carbonate, to obtain the diester product **S37.10**.

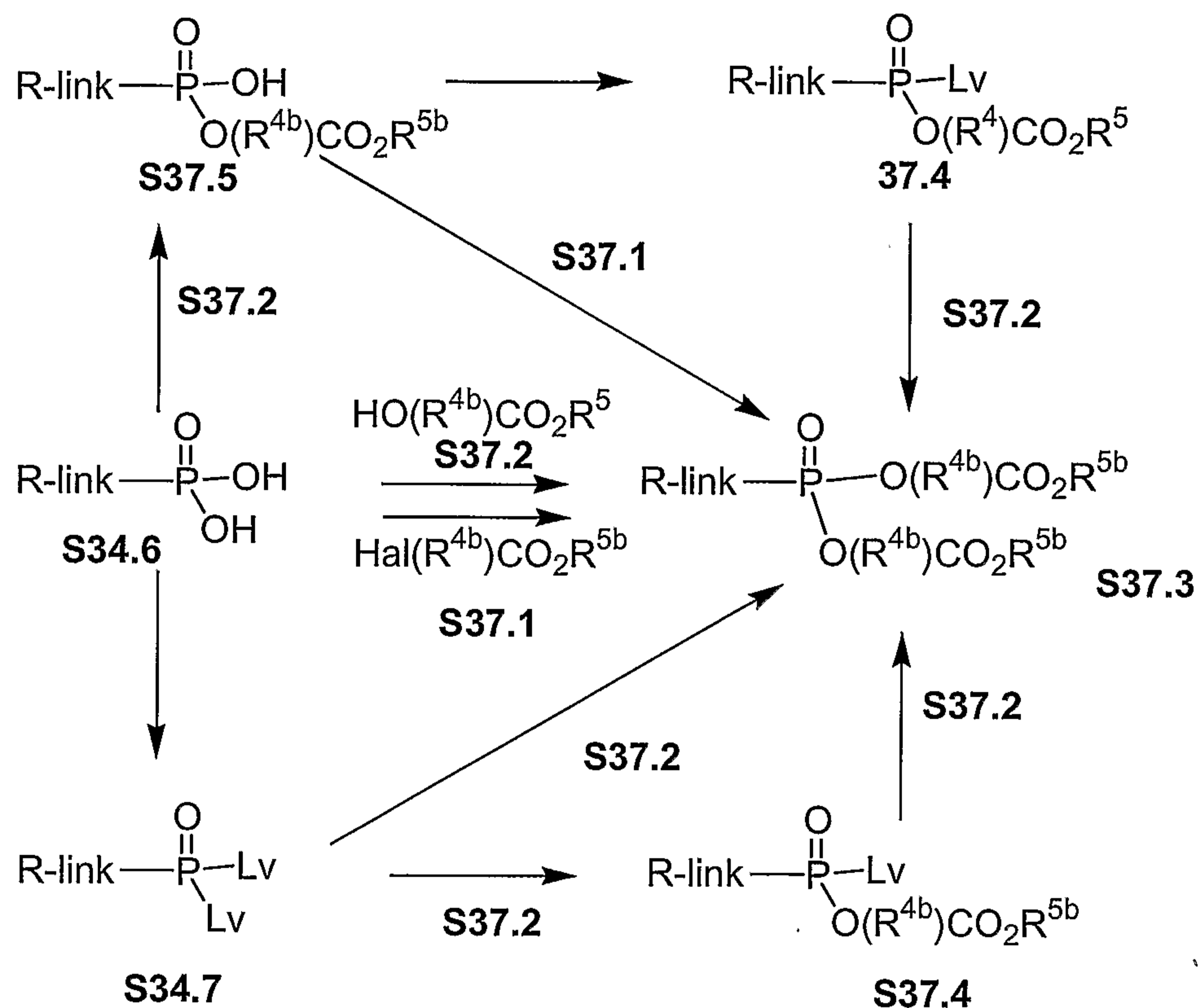
Using the above procedure, but employing, in place of ethyl 3-hydroxy-2-(hydroxymethyl)propionate **S37.9**, different hydroxyesters **S37.2**, the corresponding products **S37.3** are obtained.

Scheme 37, Example 4 depicts the displacement reaction between equimolar  
30 amounts of the phosphoryl dichloride **S35.22** and ethyl 2-methyl-3-hydroxypropionate **S37.11**, to yield the monoester product **S37.12**. The reaction is conducted in acetonitrile at 70° in the presence of diisopropylethylamine. The product

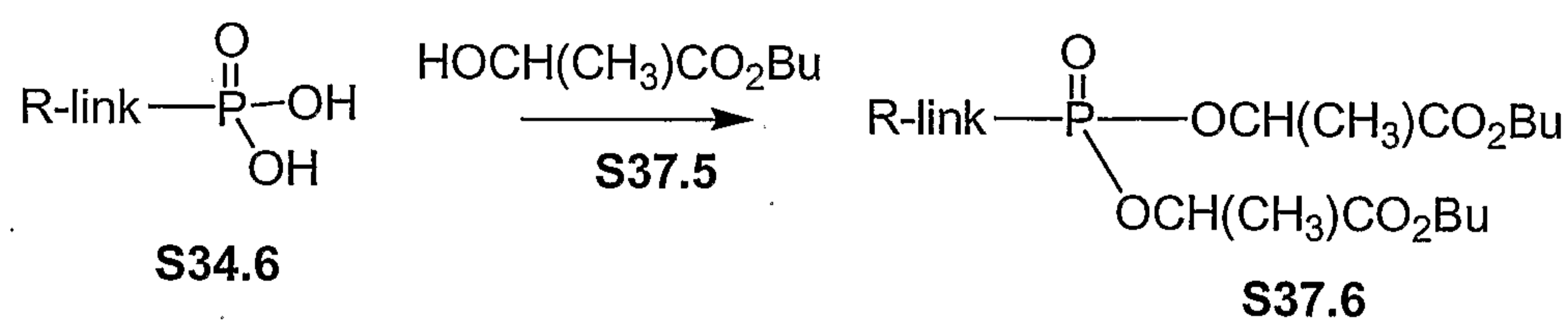
S37.12 is then reacted, under the same conditions, with one molar equivalent of ethyl lactate S37.13, to give the diester product S37.14.

Using the above procedures, but employing, in place of ethyl 2-methyl-3-hydroxypropionate S37.11 and ethyl lactate S37.13, sequential reactions with  
5 different hydroxyesters S37.2, the corresponding products S37.3 are obtained.

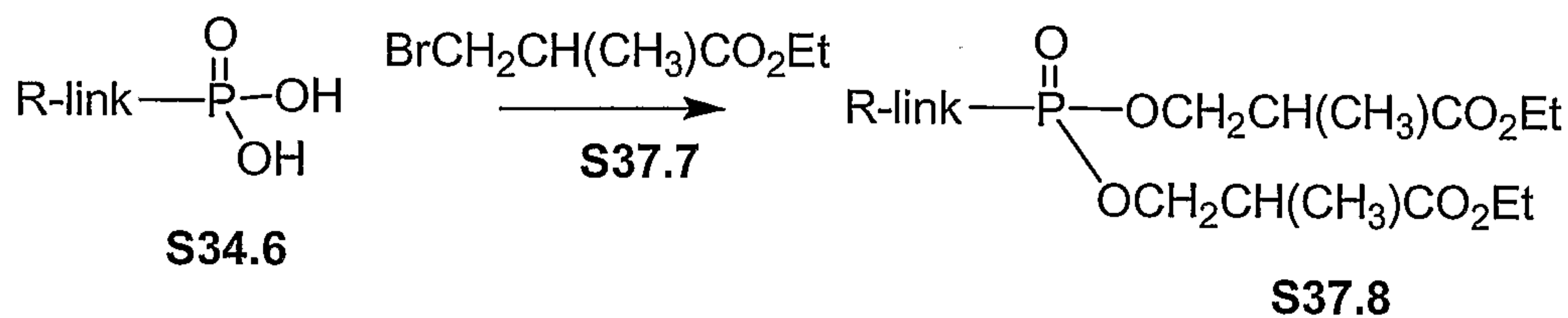
### Scheme 37



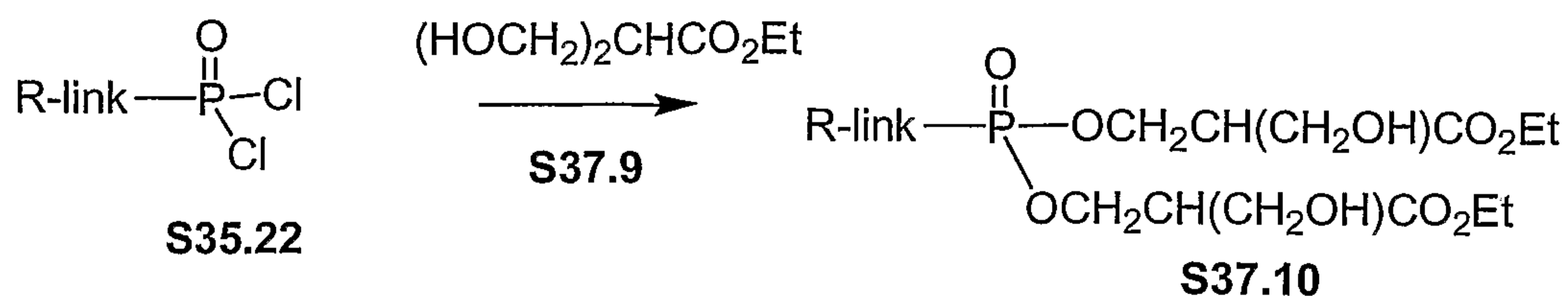
### Scheme 37 Example 1



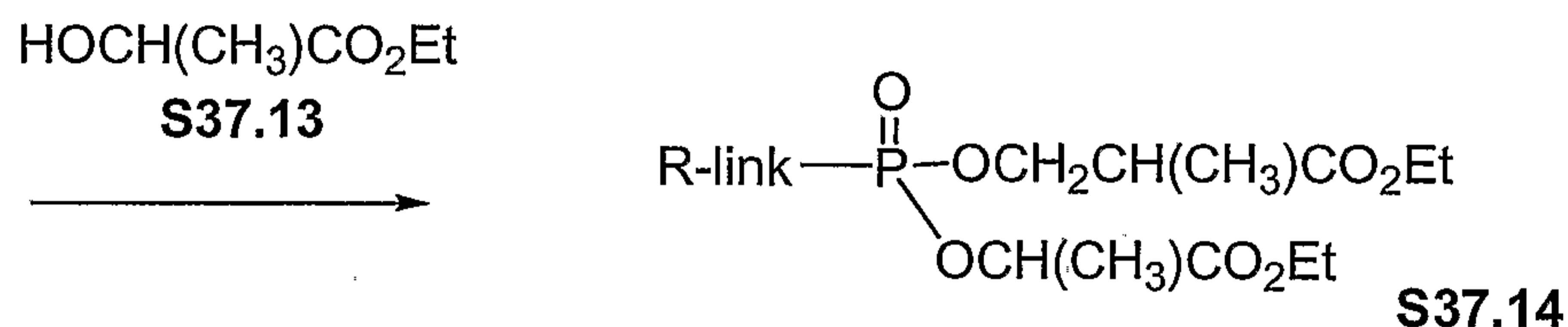
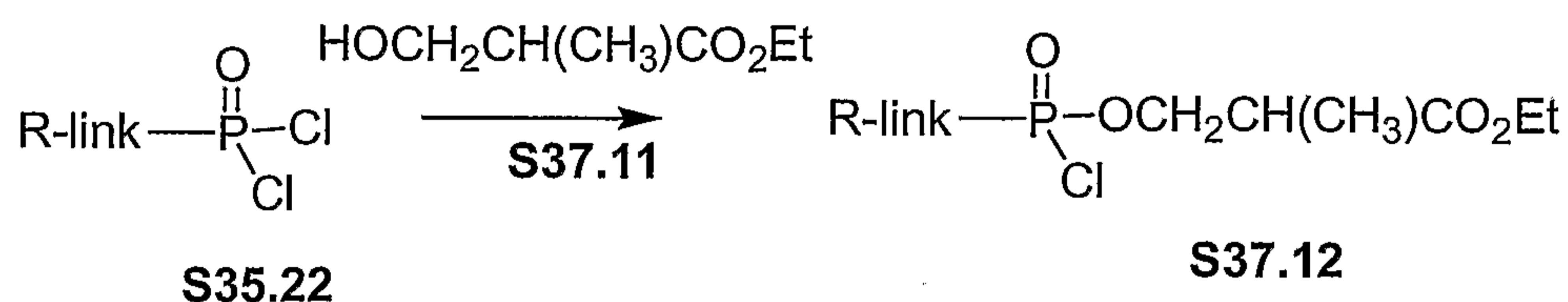
### Scheme 37 Example 2



## Scheme 37 Example 3

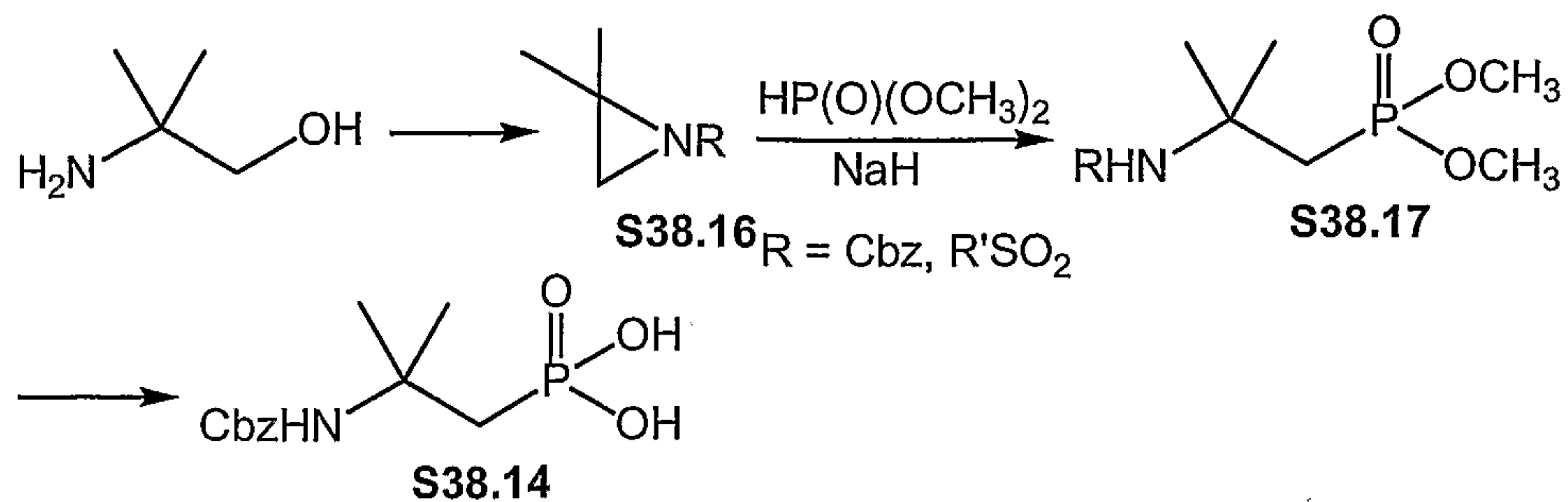


## Scheme 37 Example 4



2,2-Dimethyl-2-aminoethylphosphonic acid intermediates can be prepared by the route in Scheme 5. Condensation of 2-methyl-2-propanesulfinamide with acetone give sulfinyl imine **S38.11** (*J. Org. Chem.* **1999**, *64*, 12). Addition of dimethyl methylphosphonate lithium to **S38.11** afford **S38.12**. Acidic methanolysis of **S38.12** provide amine **S38.13**. Protection of amine with Cbz group and removal of methyl groups yield phosphonic acid **S38.14**, which can be converted to desired **S38.15** (Scheme 38a) using methods reported earlier on. An alternative synthesis of compound **S38.14** is also shown in Scheme 38b. Commercially available 2-amino-2-methyl-1-propanol is converted to aziridines **S38.16** according to literature methods (*J. Org. Chem.* **1992**, *57*, 5813; *Syn. Lett.* **1997**, *8*, 893). Aziridine opening with phosphite give **S38.17** (*Tetrahedron Lett.* **1980**, *21*, 1623). Re-protection of **S38.17** affords **S38.14**.

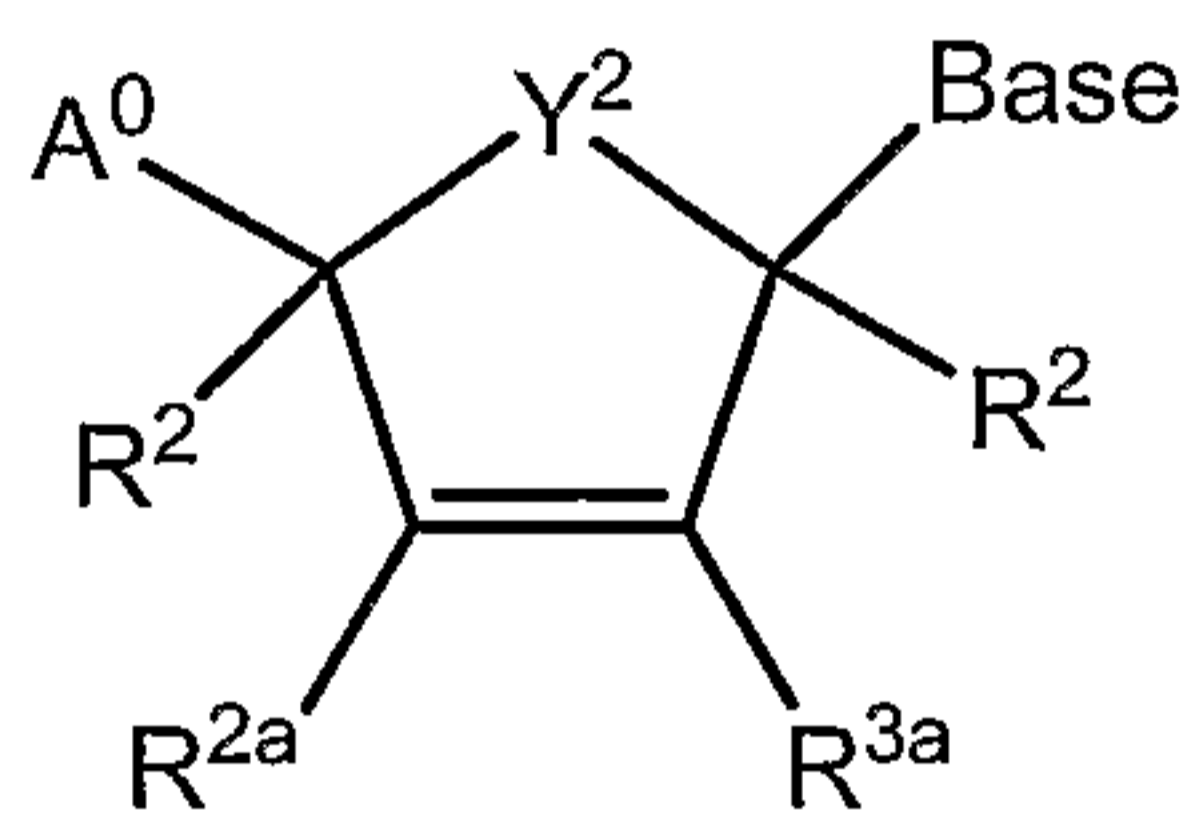
15 **Scheme 38a**



### ENUMERATED EXEMPLARY EMBODIMENTS

5

1. A compound, including enantiomers thereof, of Formula 1A, or a pharmaceutically acceptable salt or solvate thereof,

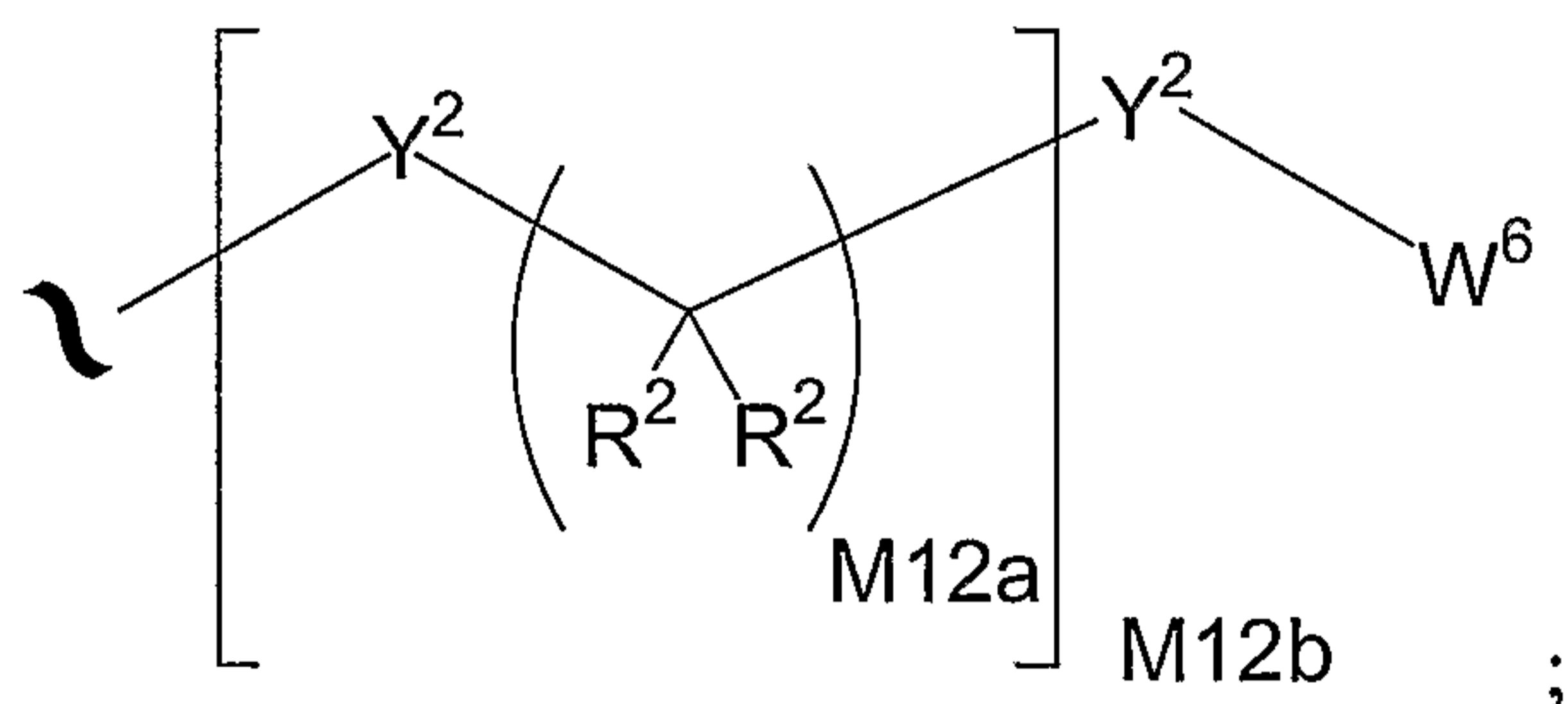


10

wherein:

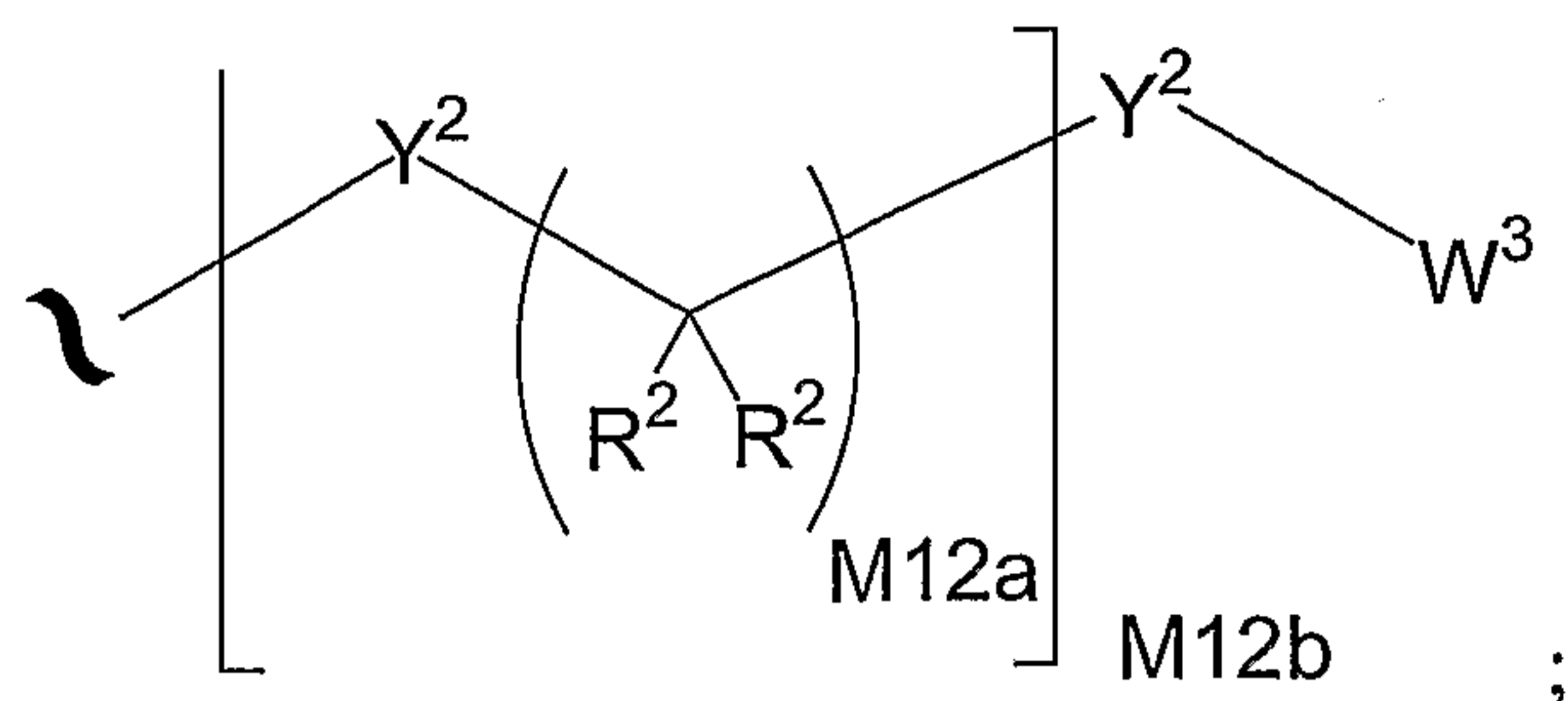
$A^0$  is  $A^1$ ,  $A^2$ , or  $A^3$ ;

$A^1$  is

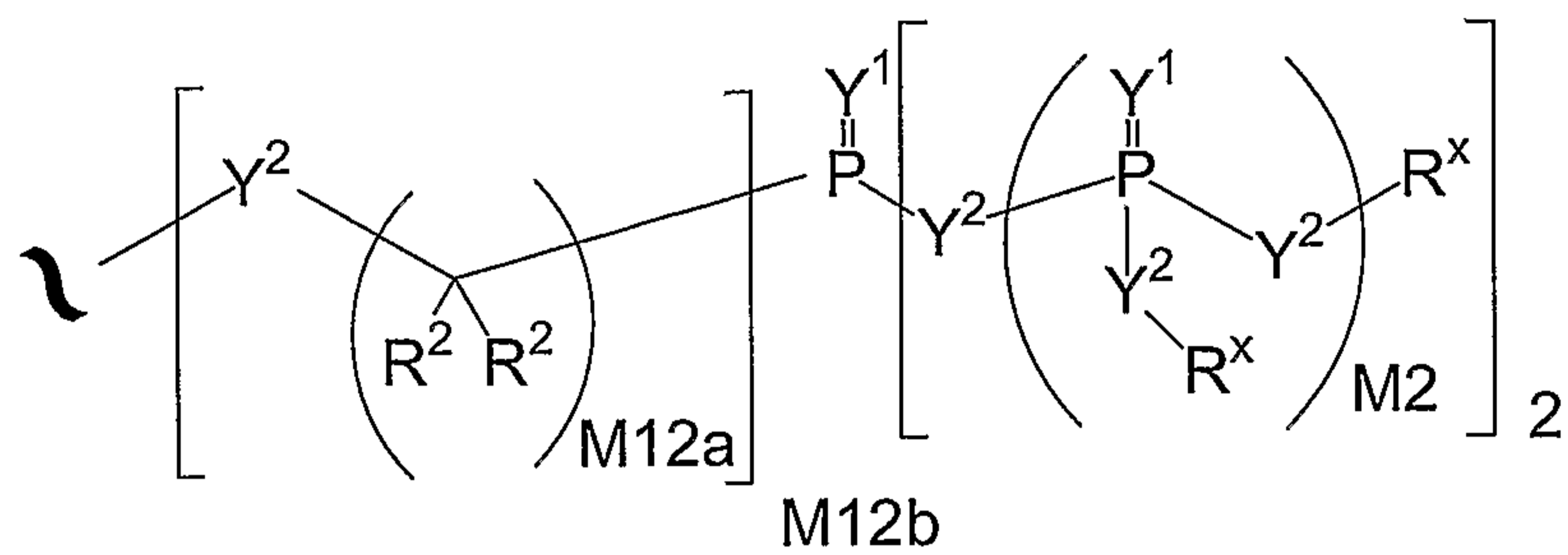


15

$A^2$  is



A<sup>3</sup> is:

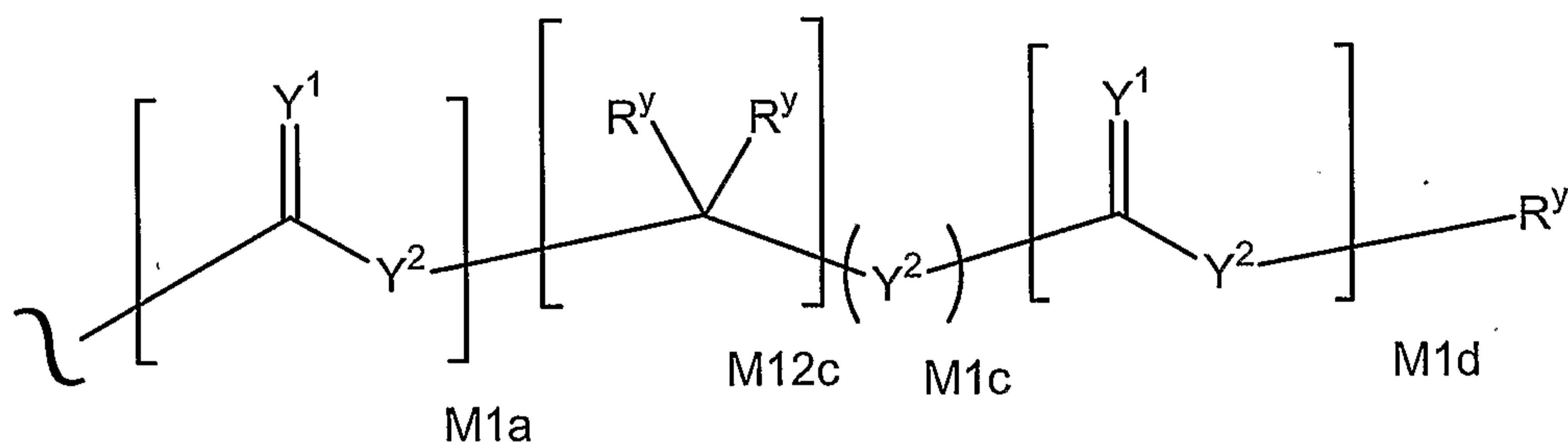


Y<sup>1</sup> is independently O, S, N(R<sup>x</sup>), N(O)(R<sup>x</sup>), N(OR<sup>x</sup>), N(O)(OR<sup>x</sup>), or N(N(R<sup>x</sup>)(R<sup>x</sup>));

Y<sup>2</sup> is independently a bond, Y<sup>3</sup>, N(R<sup>x</sup>), N(O)(R<sup>x</sup>), N(OR<sup>x</sup>), N(O)(OR<sup>x</sup>), N(N(R<sup>x</sup>)(R<sup>x</sup>)), -S(O)<sub>M2</sub>-, or -S(O)<sub>M2</sub>-S(O)<sub>M2</sub>-;

Y<sup>3</sup> is O, S(O)<sub>M2</sub>, S, or C(R<sup>2</sup>)<sub>2</sub>;

R<sup>x</sup> is independently H, R<sup>1</sup>, R<sup>2</sup>, W<sup>3</sup>, a protecting group, or the formula:



10

wherein:

R<sup>y</sup> is independently H, W<sup>3</sup>, R<sup>2</sup> or a protecting group;

R<sup>1</sup> is independently H or alkyl of 1 to 18 carbon atoms;

15 R<sup>2</sup> and R<sup>2a</sup> are independently H, R<sup>1</sup>, R<sup>3</sup>, or R<sup>4</sup> wherein each R<sup>4</sup> is independently substituted with 0 to 3 R<sup>3</sup> groups or, when taken together at a carbon atom, two R<sup>2</sup> groups form a ring of 3 to 8 and the ring may be substituted with 0 to 3 R<sup>3</sup> groups;

R<sup>3</sup> is R<sup>3a</sup>, R<sup>3b</sup>, R<sup>3c</sup>, R<sup>3d</sup>, or R<sup>3e</sup>, provided that when R<sup>3</sup> is bound to a heteroatom, then R<sup>3</sup> is R<sup>3c</sup> or R<sup>3d</sup>;

$R^{3a}$  is  $R^x$ ,  $-OR^x$ ,  $NR^x$  or  $NR^xO_2$ ,

$R^{3b}$  is  $(=Y^1)$ ;

$R^{3c}$  is  $-R^x$ ,  $-N(R^x)(R^x)$ ,  $-SR^x$ ,  $-S(O)R^x$ ,  $-S(O)_2R^x$ ,  $-S(O)(OR^x)$ ,  $-S(O)_2(OR^x)$ ,  $-OC(Y^1)R^x$ ,  $-OC(Y^1)OR^x$ ,  $-OC(Y^1)(N(R^x)(R^x))$ ,  $-SC(Y^1)R^x$ ,  $-SC(Y^1)OR^x$ ,  $-SC(Y^1)(N(R^x)(R^x))$ ,  $-N(R^x)C(Y^1)R^x$ ,  $-N(R^x)C(Y^1)OR^x$ , or  $-N(R^x)C(Y^1)(N(R^x)(R^x))$ ;

$R^{3d}$  is  $-C(Y^1)R^x$ ,  $-C(Y^1)OR^x$  or  $-C(Y^1)(N(R^x)(R^x))$ ;

$R^{3e}$  is F, Cl, Br or I;

$R^4$  is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

$R^5$  is H or  $R^4$ , wherein each  $R^4$  is substituted with 0 to 3  $R^3$  groups;

$W^3$  is  $W^4$  or  $W^5$ ;

$W^4$  is  $R^5$ ,  $-C(Y^1)R^5$ ,  $-C(Y^1)W^5$ ,  $-SO_{M2}R^5$ , or  $-SO_{M2}W^5$ ;

$W^5$  is carbocycle or heterocycle wherein  $W^5$  is independently substituted with 0 to 3  $R^2$  groups;

$W^6$  is  $W^3$  independently substituted with 1, 2, or 3  $A^3$  groups;

$M2$  is 0, 1 or 2;

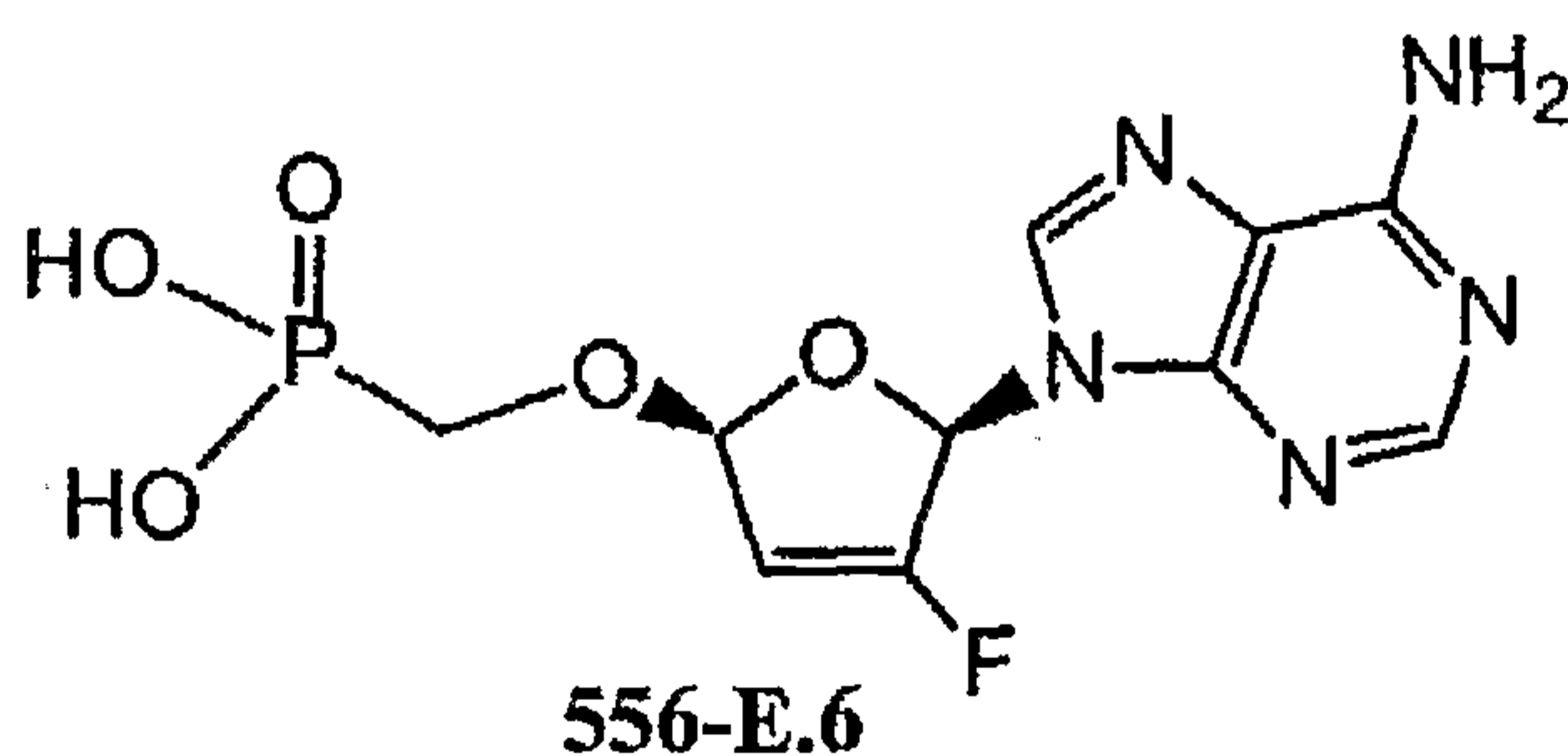
$M12a$  is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M12b$  is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

$M1a$ ,  $M1c$ , and  $M1d$  are independently 0 or 1; and

$M12c$  is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

provided that the compound of Formula 1A is not of the structure 556-E.6



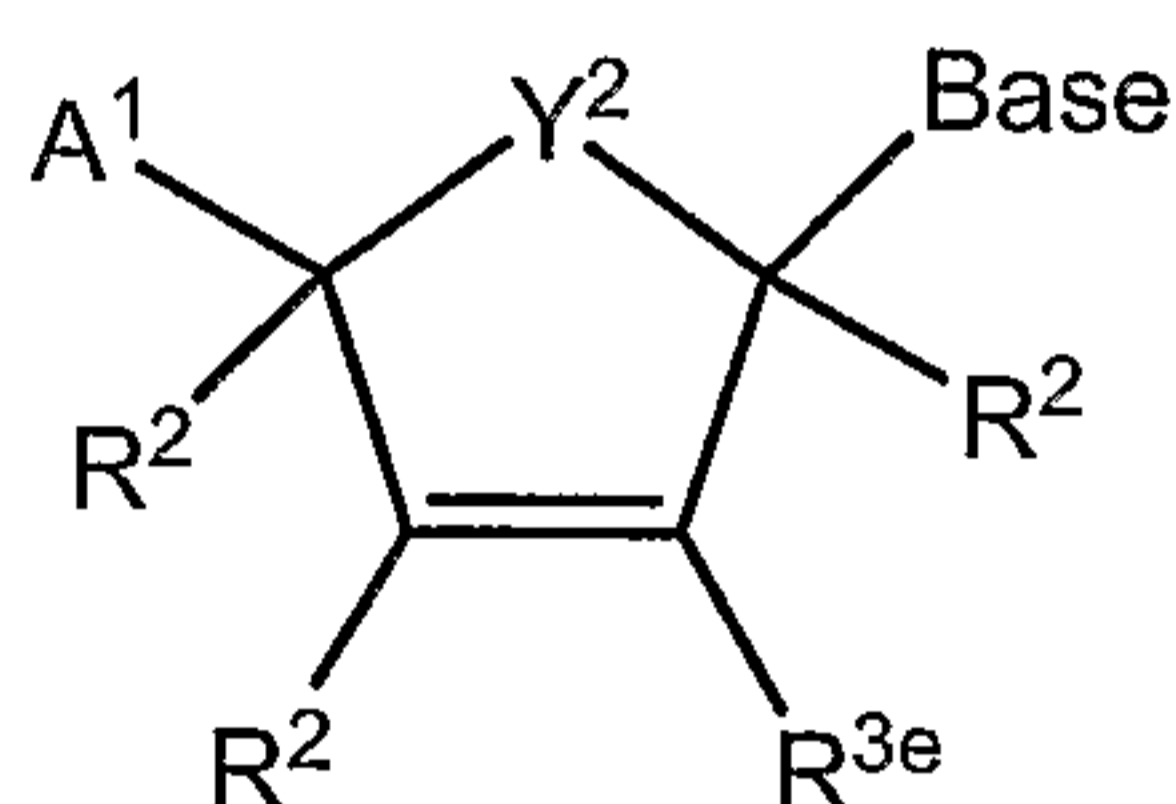
or its ethyl diester.

... herein  $R^{2a}$  is selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, azido, haloalkyl, cycloalkyl, aryl, haloaryl, and heteroaryl

5 3. The compound of embodiment 1 wherein  $R^{2a}$  is selected from the group consisting of H, halo, alkyl, azido, cyano, or haloalkyl.

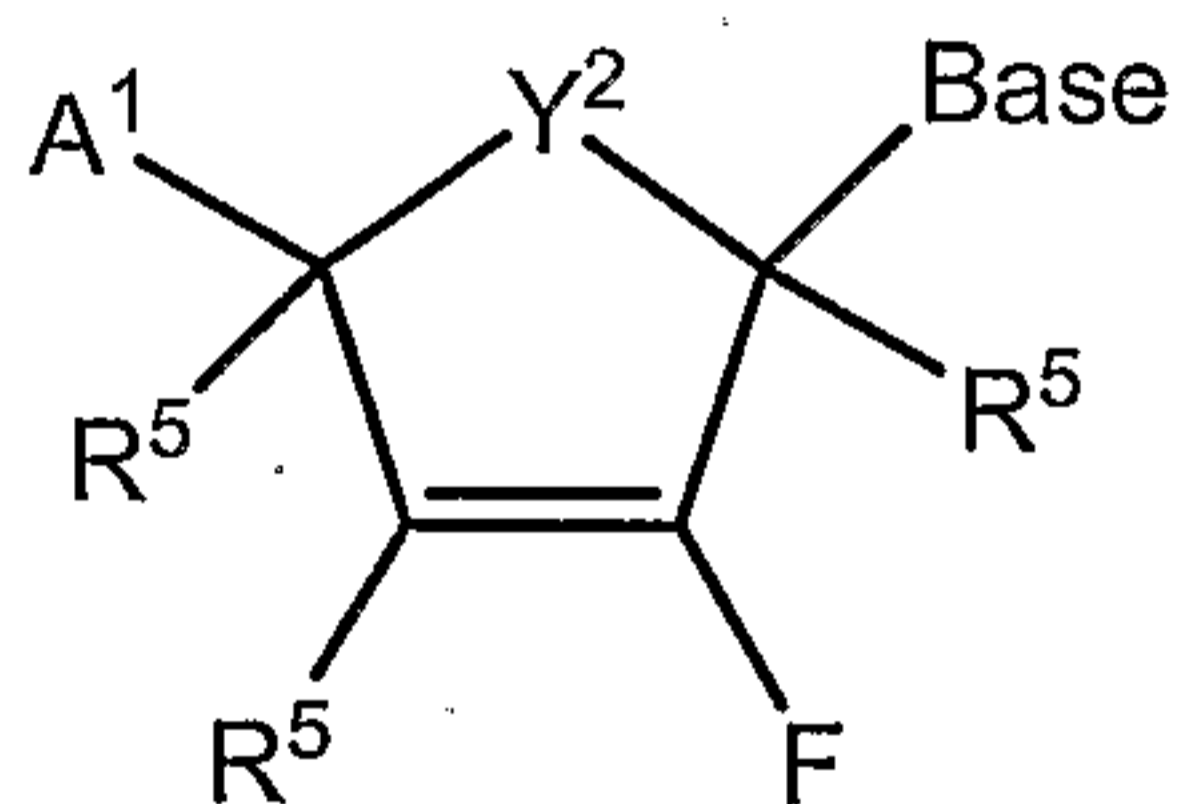
4. The compound of embodiment 1 wherein  $R^2$  is selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, azido, haloalkyl, cycloalkyl, aryl, haloaryl, and heteroaryl.

5. The compound of embodiment 1 that has the formula 1B



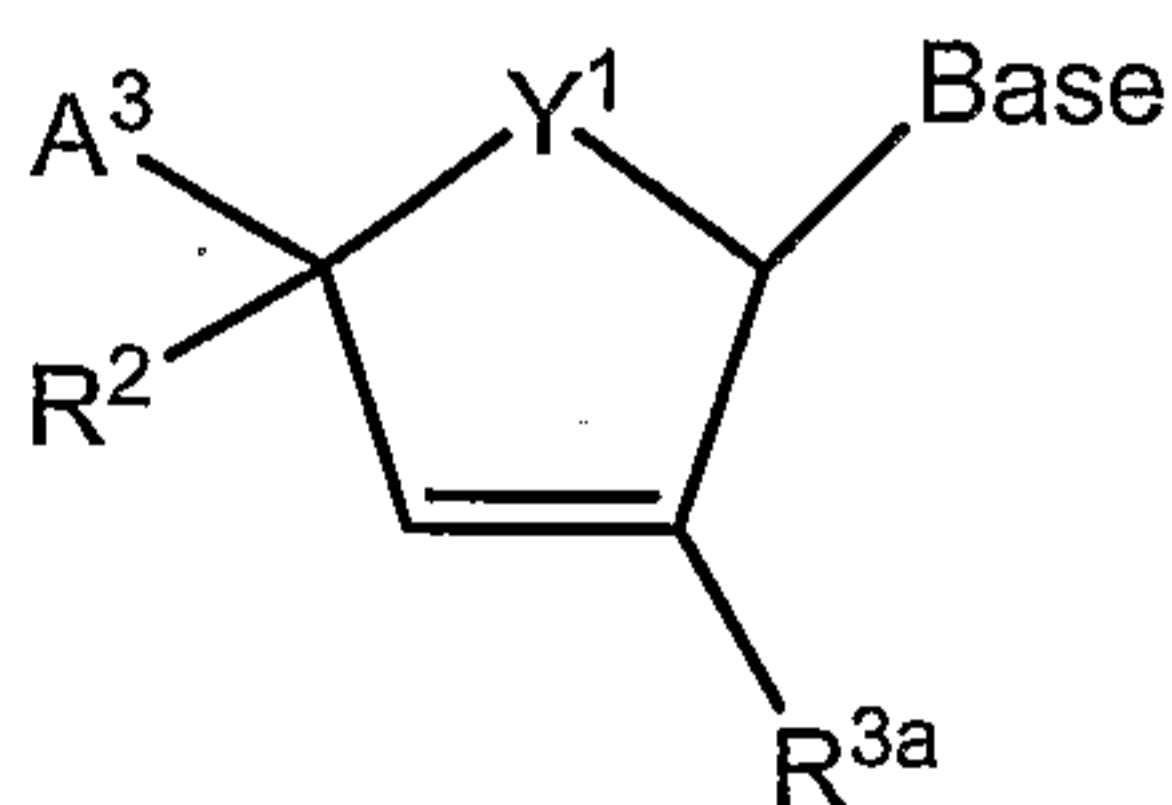
1B

15 6. The compound of embodiment 1 that has the formula 1C



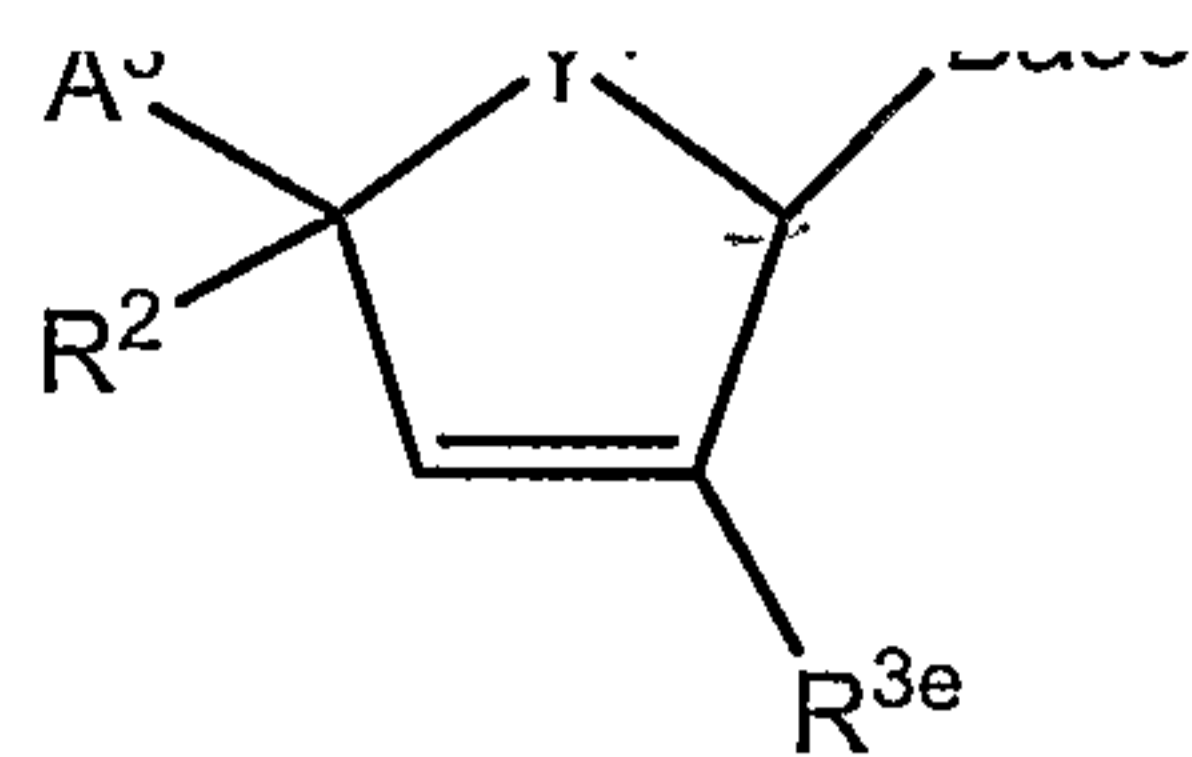
1C

7. The compound of embodiment 1 that has the formula 1D



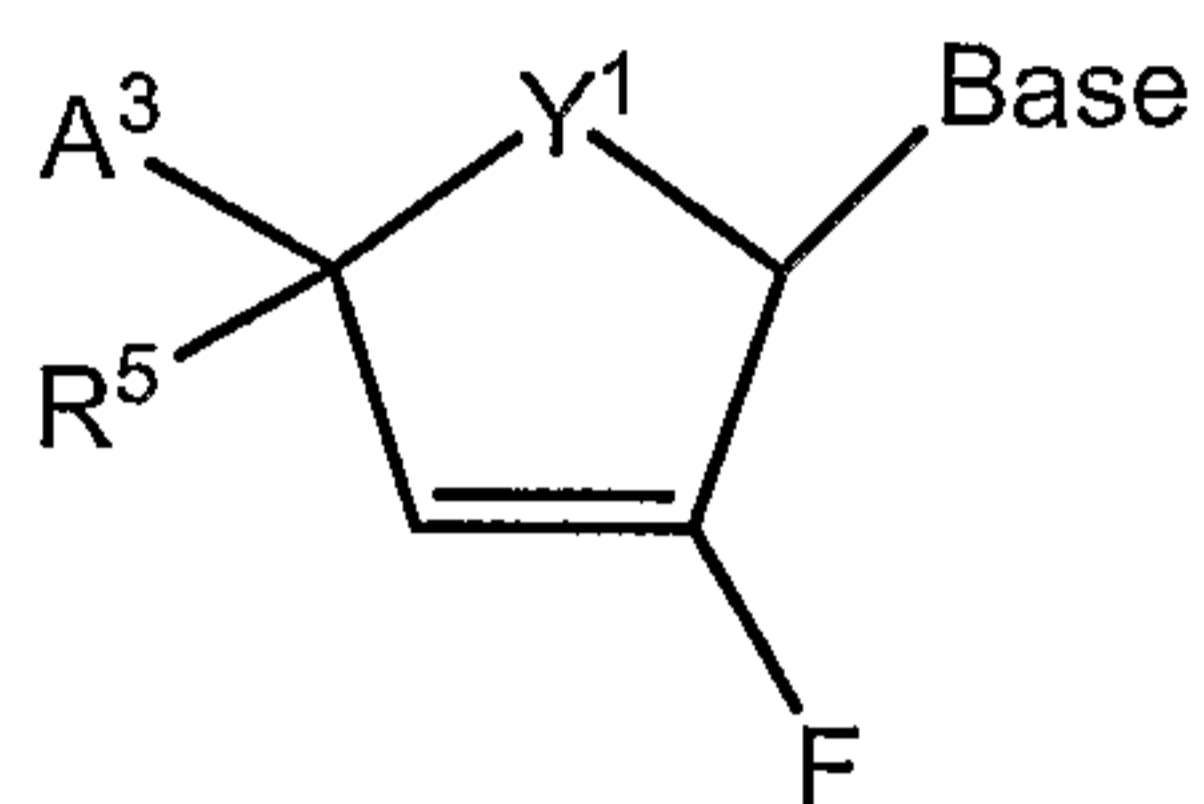
1D

8. The compound of embodiment 1 that has the formula 1E



1E

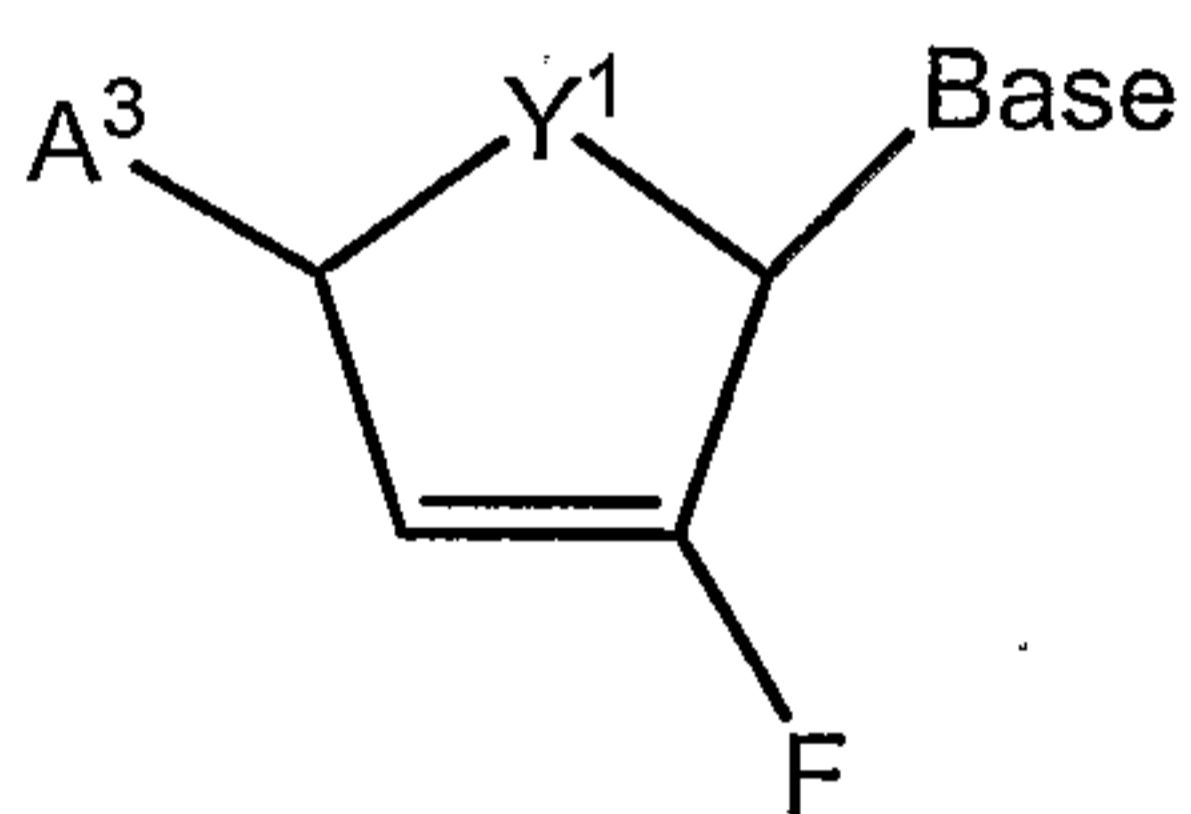
9. The compound of embodiment 1 that has the formula 1F



1F

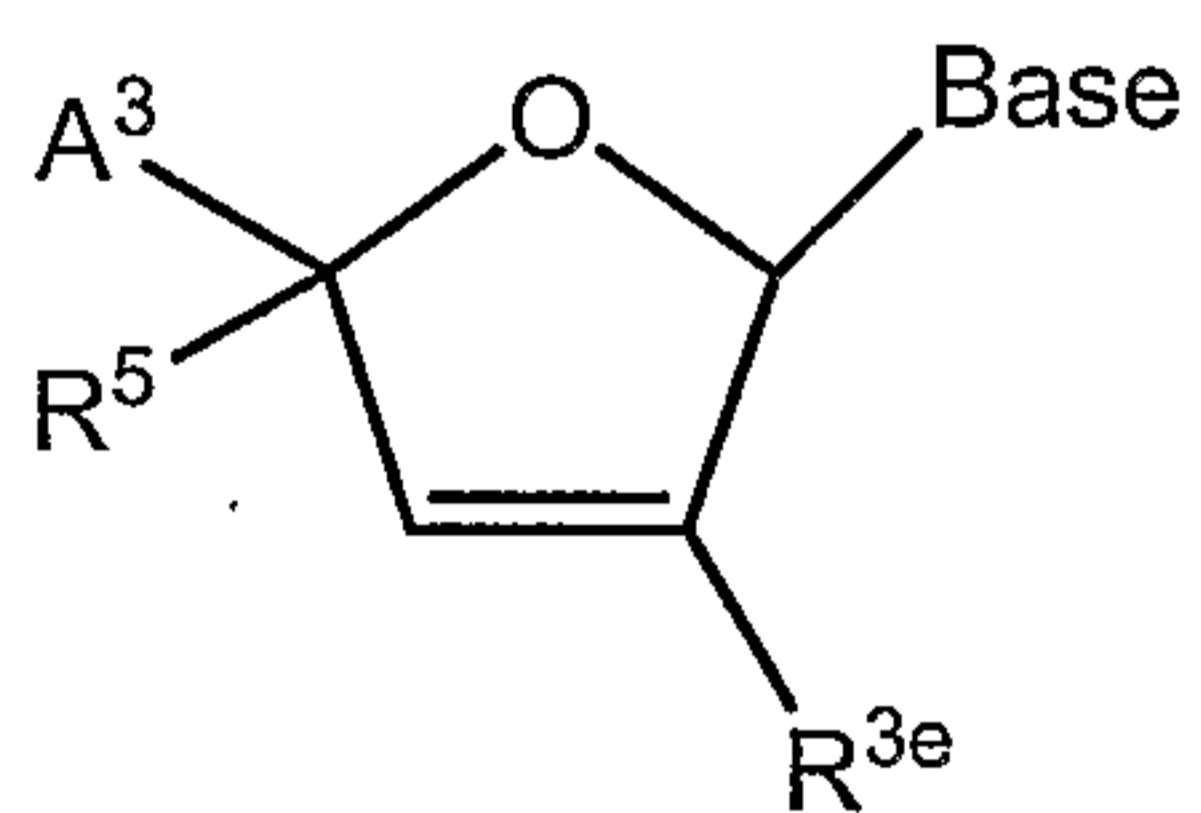
5

10. The compound of embodiment 1 that has the formula 1G



1G

11. The compound of embodiment 1 that has the formula 1H

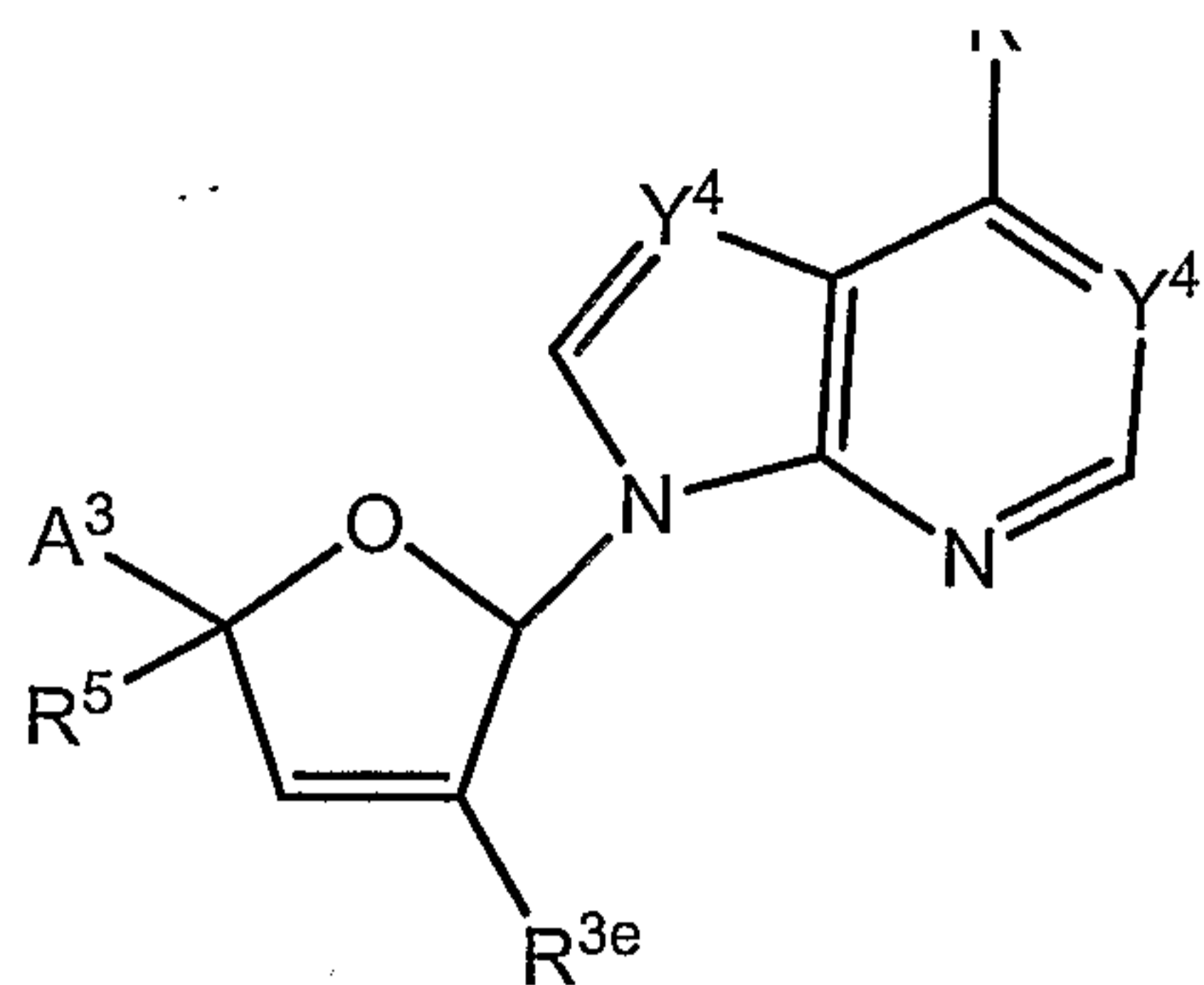


1H

10

12. The compound of embodiment 1 that has the formula 1I





II

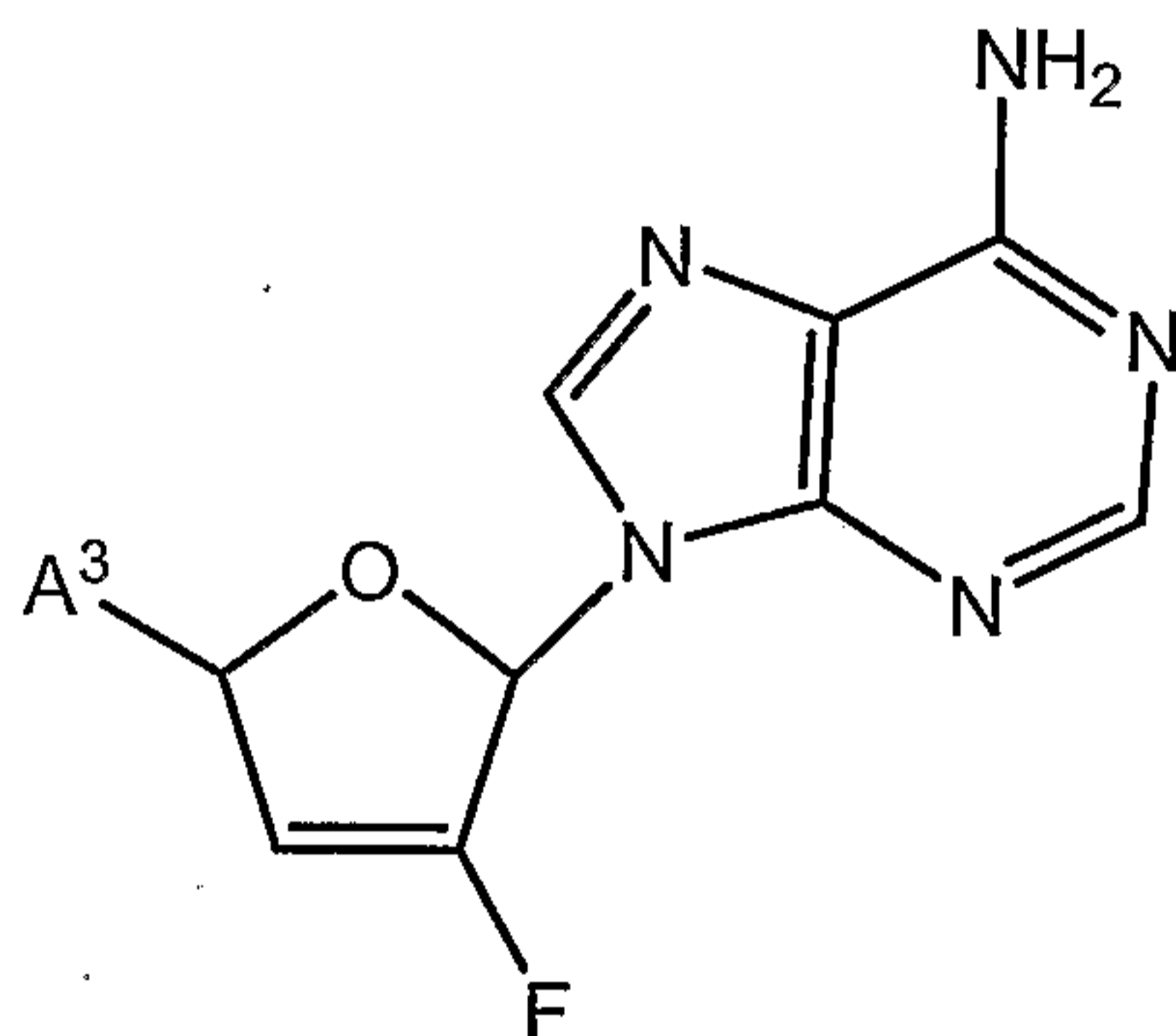
;

wherein:

$Y^4$  is N or C(R<sup>3</sup>).

5

13. The compound of embodiment 1 that has the formula 1J



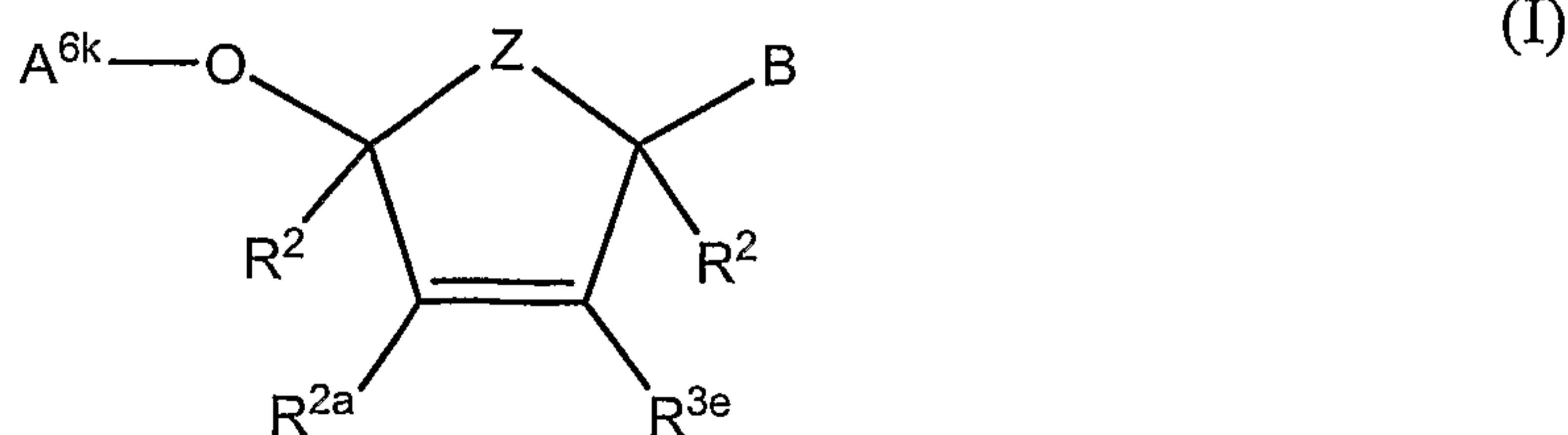
IJ

14. The compound of embodiment 1 wherein R<sup>2a</sup> is halo, alkyl, azido, cyano, or haloalkyl.

10

15. The compound of embodiment 1 wherein R<sup>x</sup> is a naturally occurring amino acid.

15 16. A compound, enantiomers thereof, or a pharmaceutically acceptable salt or solvate thereof that is of the general structure of formula I



wherein

B is Base;

5 Z is O, S, or C(R<sup>k</sup>)<sub>2</sub>;

R<sup>3e</sup> is F, Cl, Br or I;

A<sup>6k</sup> -CH<sub>2</sub>P(Y<sup>k</sup>)(A<sup>5k</sup>)(Y<sup>k2</sup>A<sup>5k</sup>), -CH<sub>2</sub>P(Y<sup>k</sup>)(A<sup>5k</sup>)(A<sup>5k</sup>), or  
-CH<sub>2</sub>P(Y<sup>k</sup>)(Y<sup>k2</sup>A<sup>5k</sup>)(Y<sup>k2</sup>A<sup>5k</sup>), optionally substituted with R<sup>k</sup>;

10 A<sup>5k</sup> is H, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, haloalkyl, cycloalkyl, aryl, haloaryl, or heteroaryl, optionally substituted with R<sup>k</sup>;

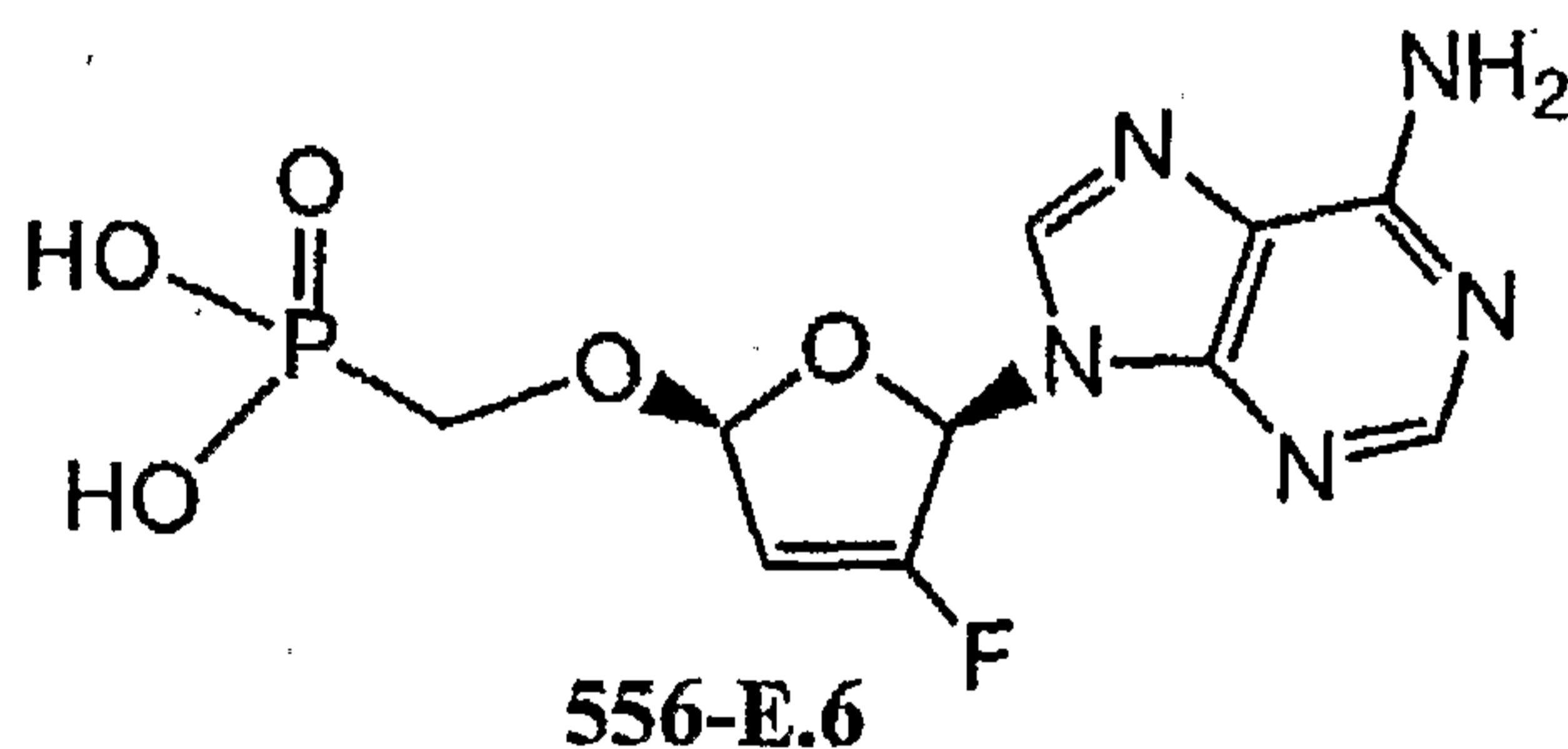
Y<sup>k</sup> is O or S;

Y<sup>k2</sup> is O, N(R<sup>k</sup>), or S; and

15 each R<sup>2</sup> and R<sup>2a</sup> is independently selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, azido, haloalkyl, cycloalkyl, aryl, haloaryl, and heteroaryl; and

each R<sup>k</sup> is independently selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, azido, haloalkyl, cycloalkyl, aryl, haloaryl, and heteroaryl; provided that the compound of Formula 1A is not of the structure 556-E.6

20



or its ethyl diester.

25

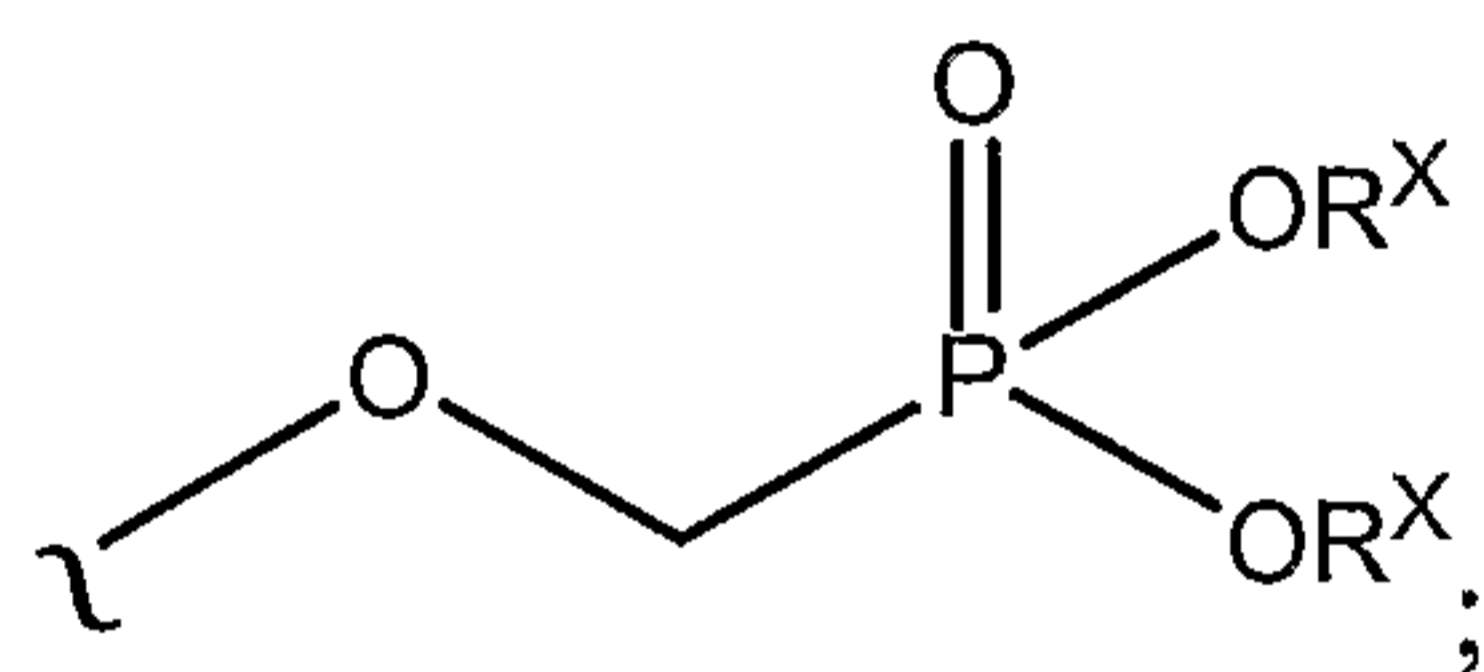
17. The compound of embodiment 16 wherein  $R^{2a}$  is selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, azido, haloalkyl, cycloalkyl, aryl, haloaryl, and heteroaryl

5 18. The compound of embodiment 16 wherein  $R^{2a}$  is selected from the group consisting of H, halo, alkyl, azido, cyano, or haloalkyl.

19. The compound of embodiment 1 selected from:

10 a) Formula 1A wherein  $A^0$  is  $A^3$ ;

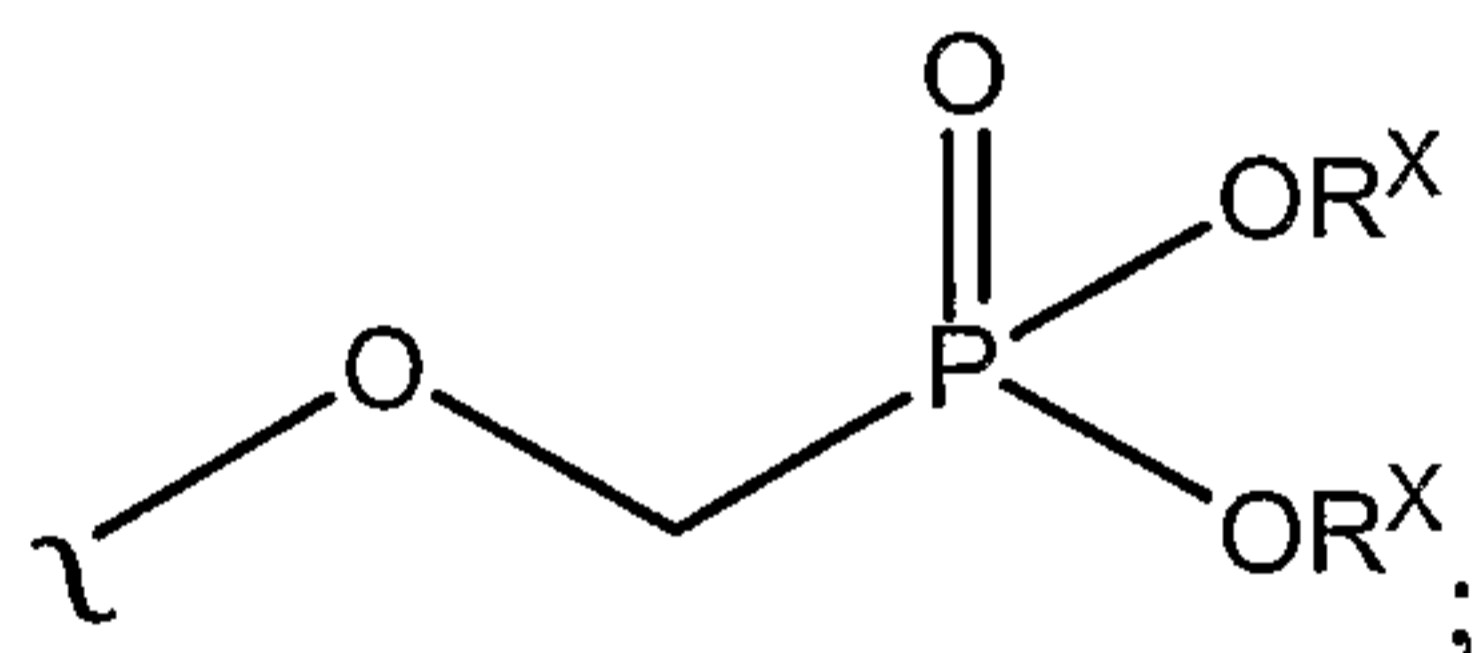
b) Formula 1A wherein  $A^0$  is



15

c) Formula 1A wherein:

$A^0$  is



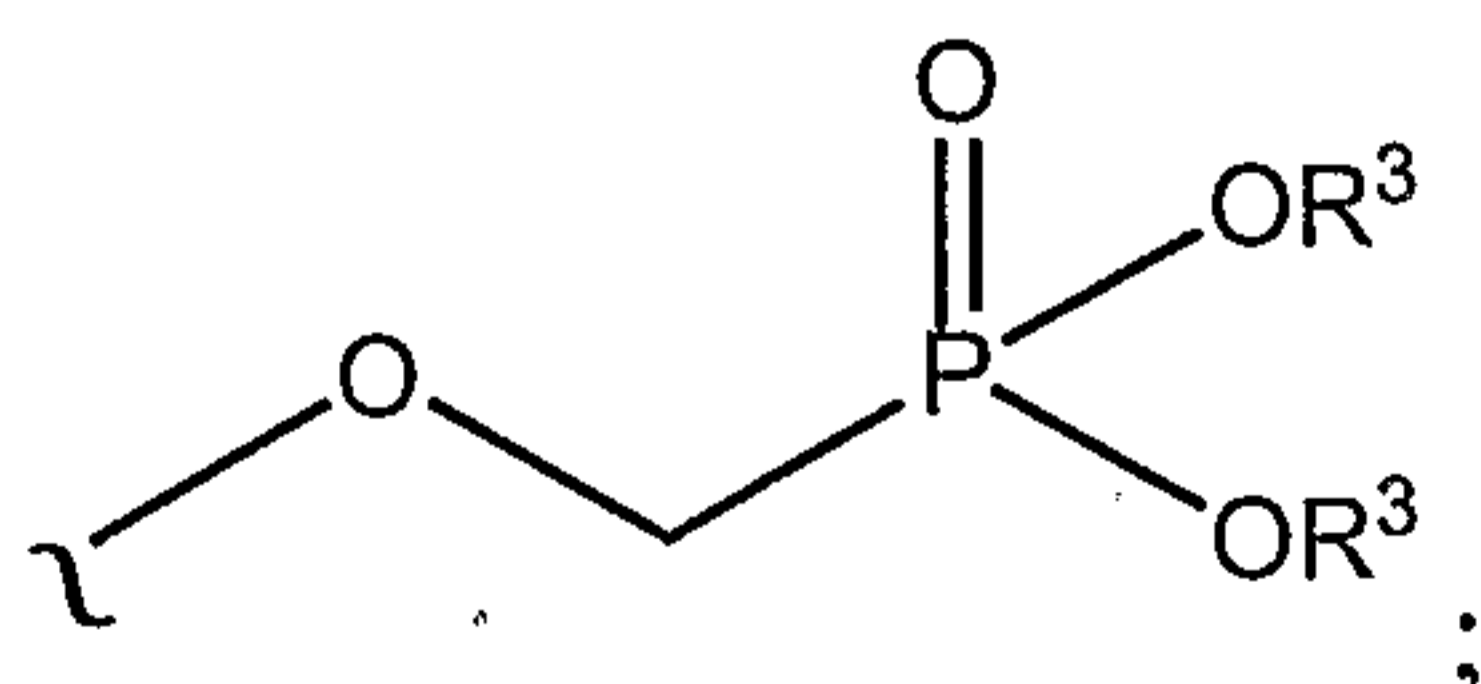
20

and

each  $R^2$  and  $R^{2a}$  is H;

d) Formula 1A wherein:

$A^3$  is



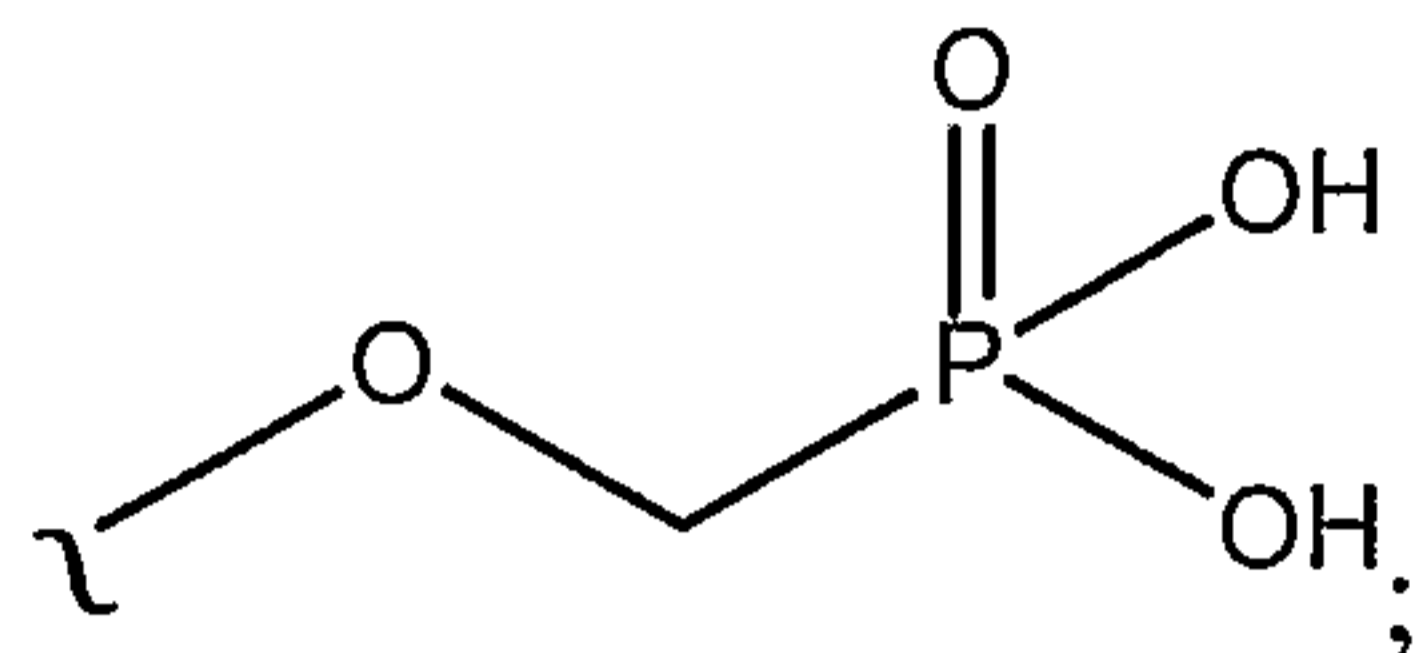
25

$R^3$  is  $-N(R^x)(R^x)$ ;

each R and R' is H.

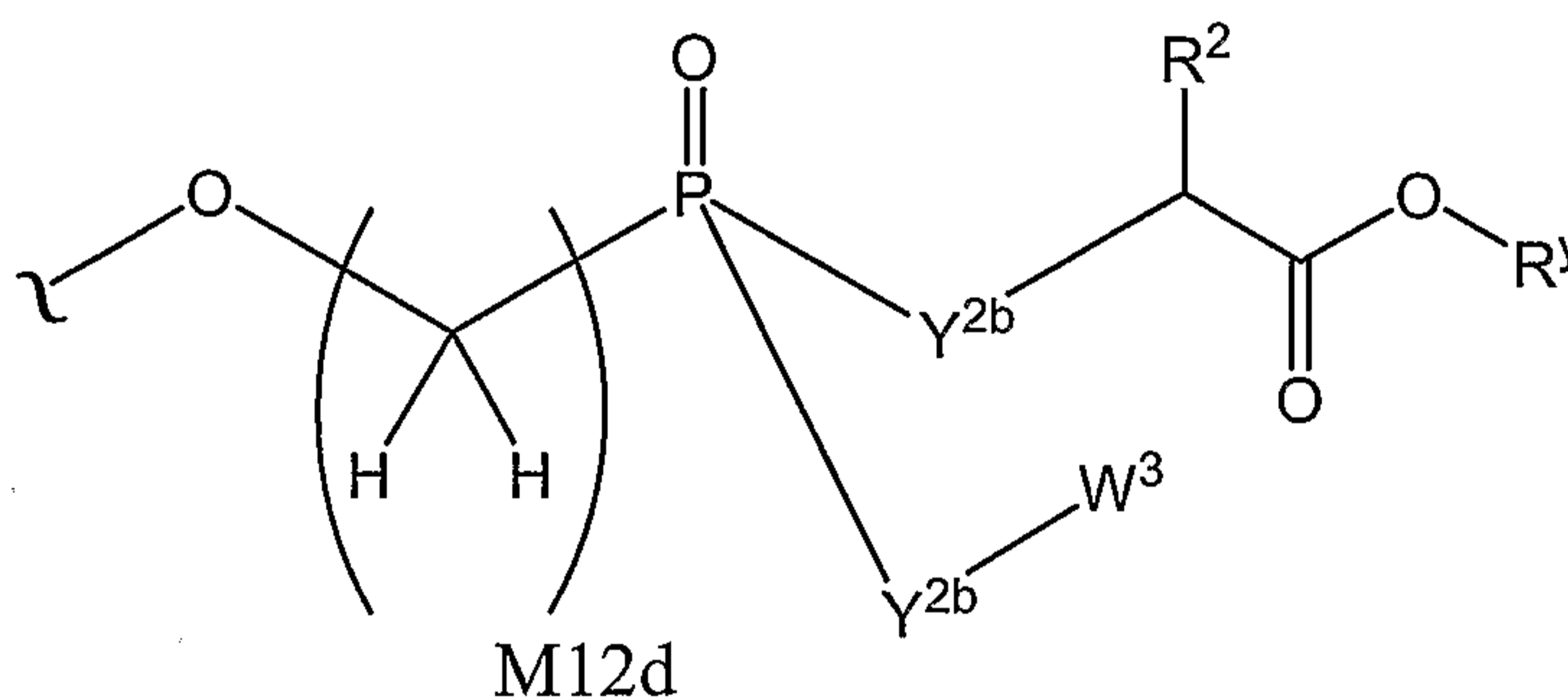
e) Formula 1A wherein:

A<sup>0</sup> is



and each R<sup>2</sup> and R<sup>2a</sup> is H.

20. The compound of embodiment 1, wherein A<sup>3</sup> is of the formula:



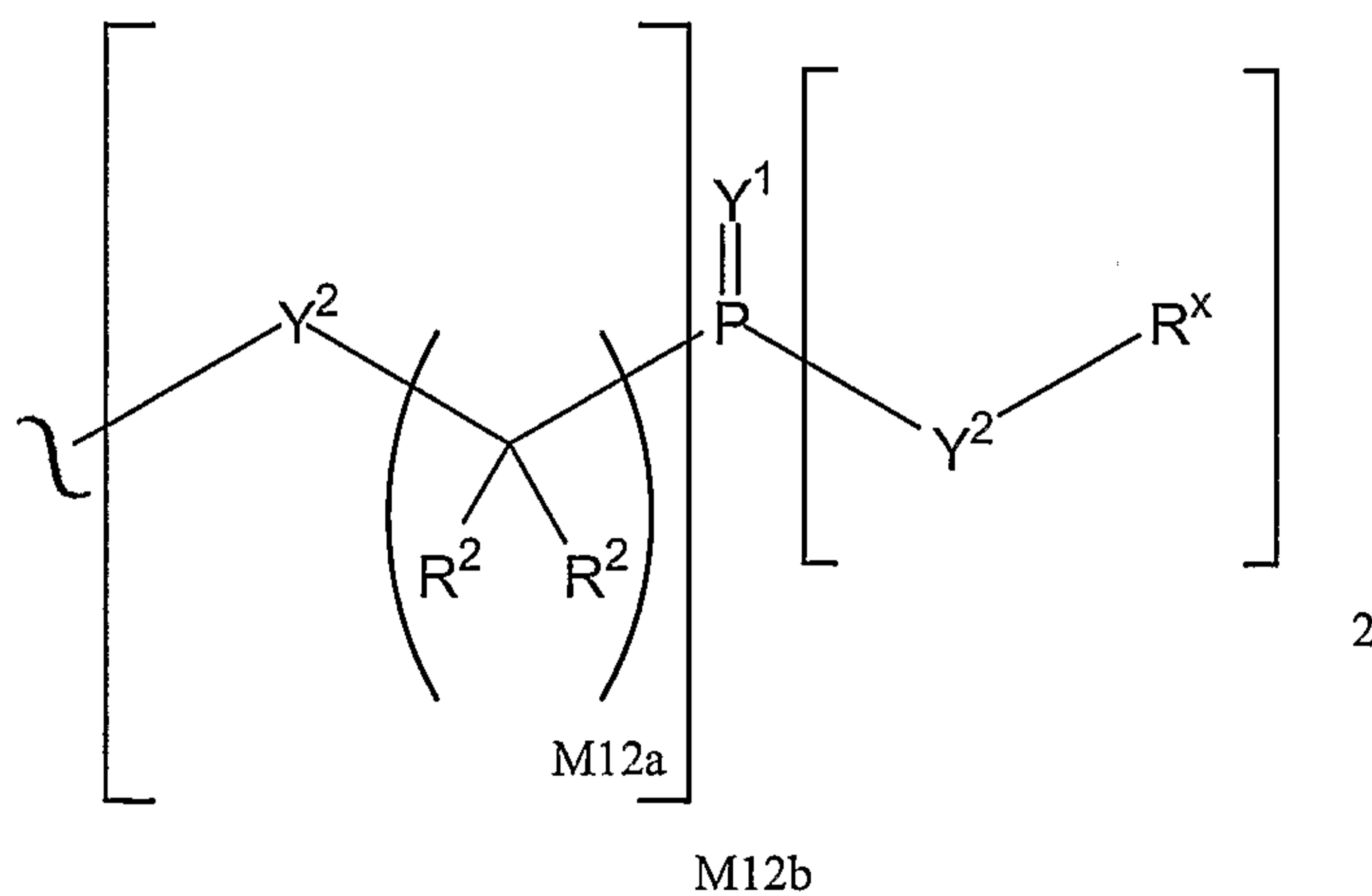
wherein:

Y<sup>2b</sup> is O or N(R<sup>2</sup>); and

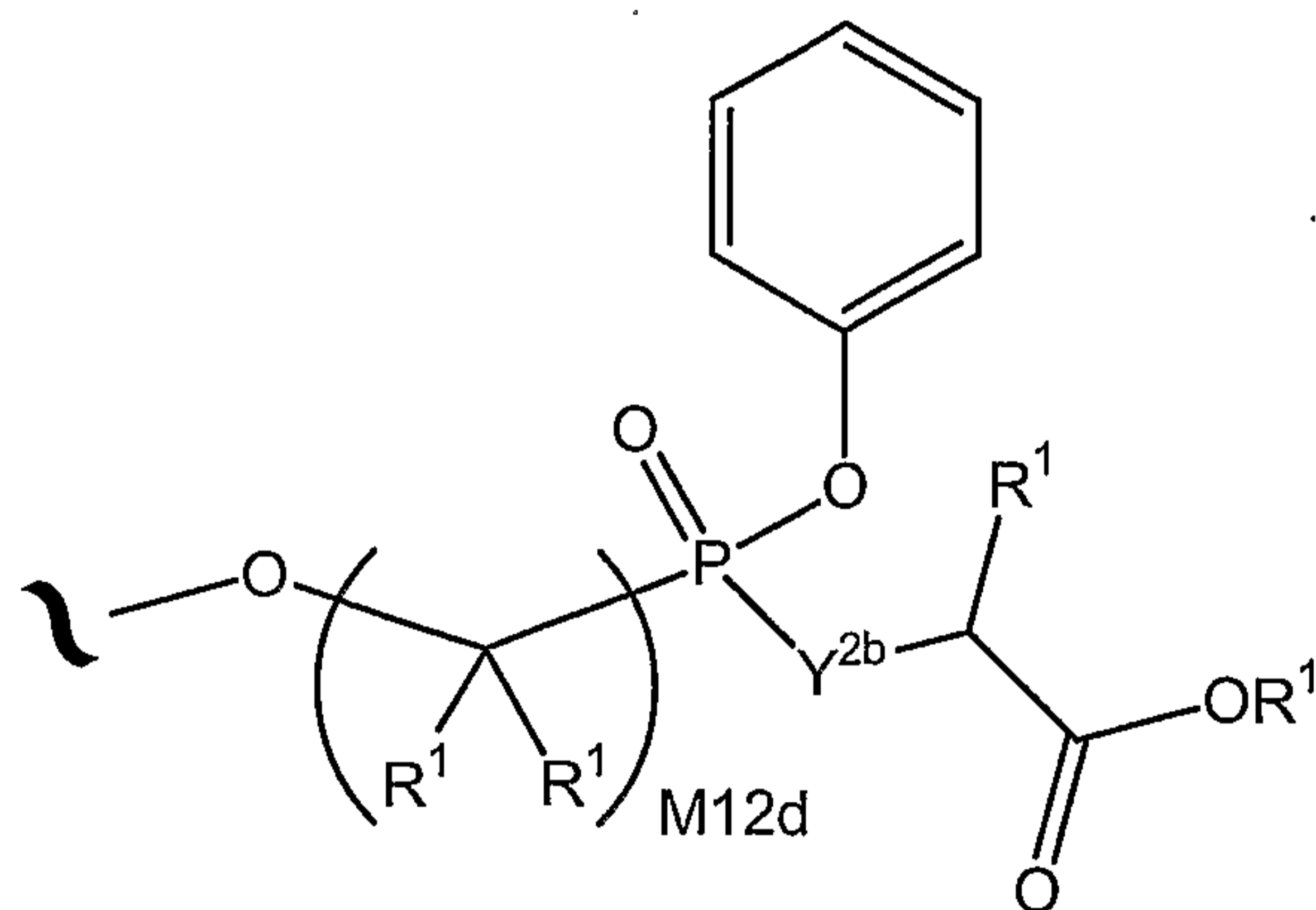
M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

15

21. The compound of embodiment 1 wherein A<sup>3</sup> is of the formula:



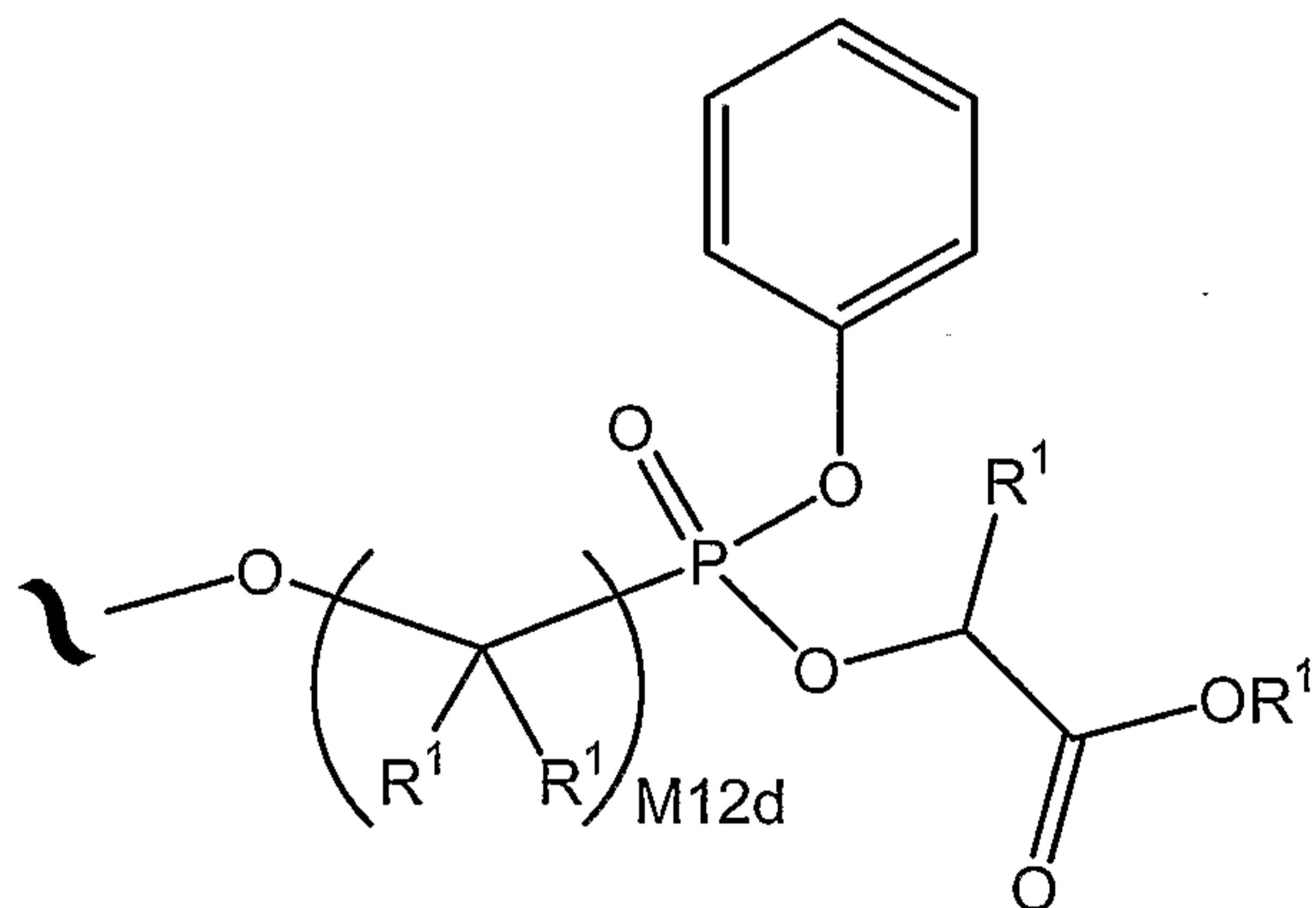
22. The compound of embodiment 1 wherein  $A^3$  is of the formula:



wherein the phenyl carbocycle is substituted with 0, 1, 2, or 3  $R^2$  groups.

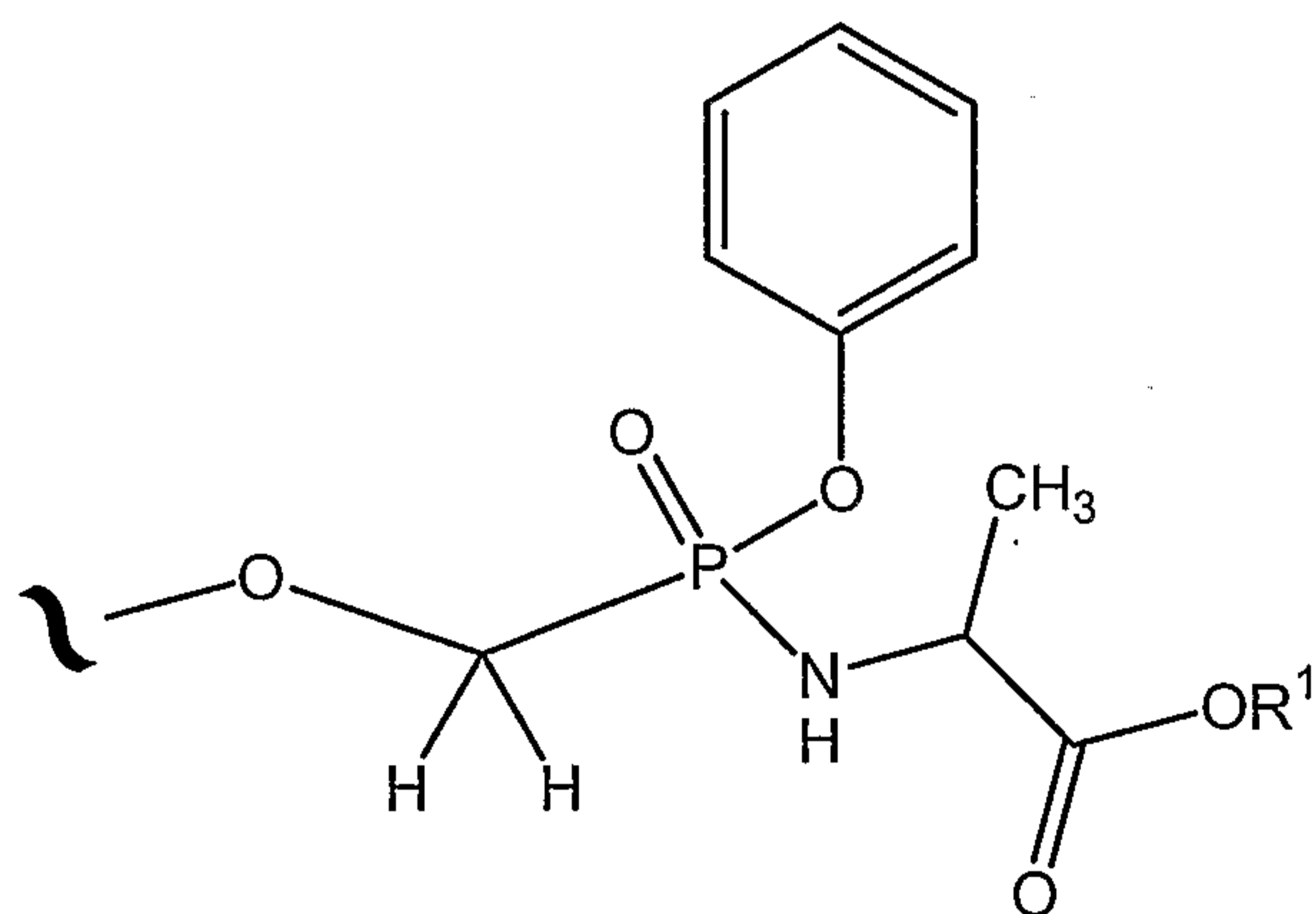
5

23. The compound of embodiment 1 wherein  $A^3$  is of the formula:

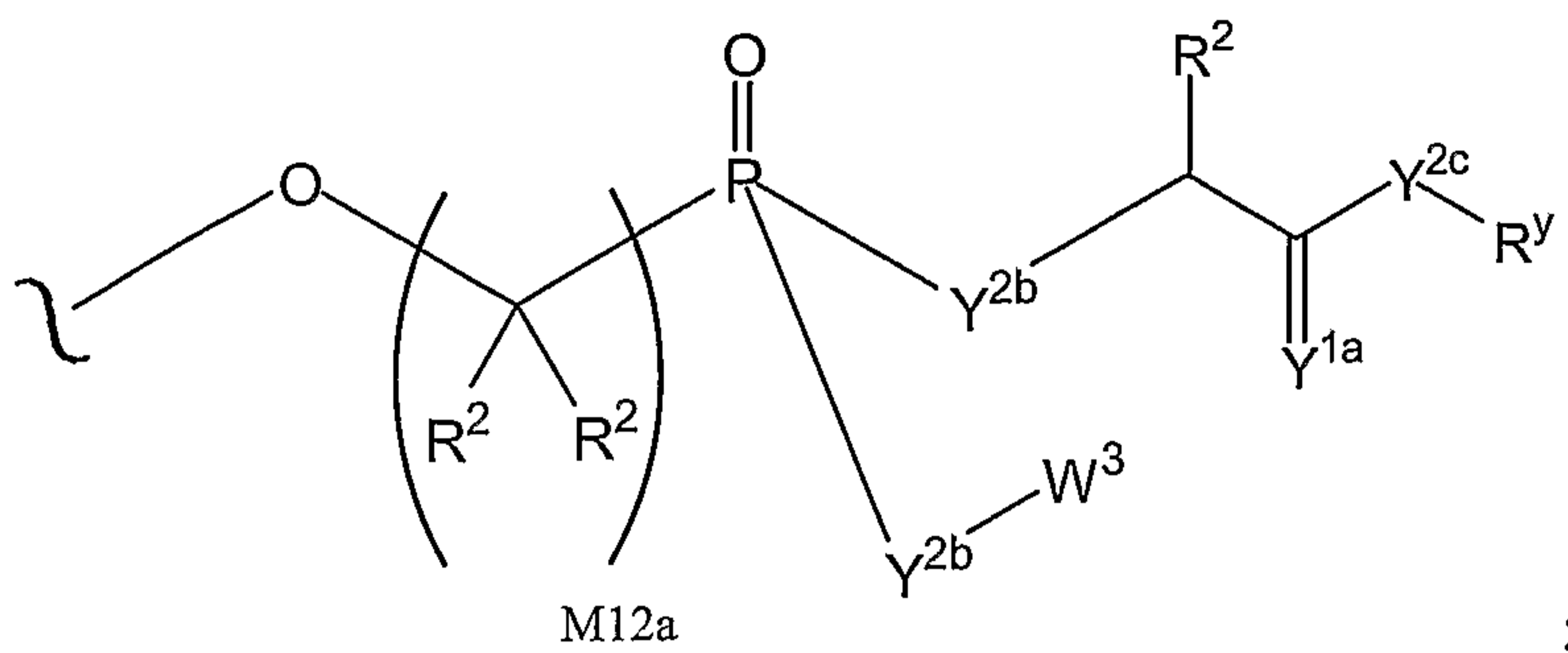


wherein the phenyl carbocycle is substituted with 0, 1, 2, or 3  $R^2$  groups.

10 24. The compound of embodiment 1 wherein  $A^3$  is of the formula:



25. The compound of embodiment 1 wherein A<sup>3</sup> is of the formula:



wherein:

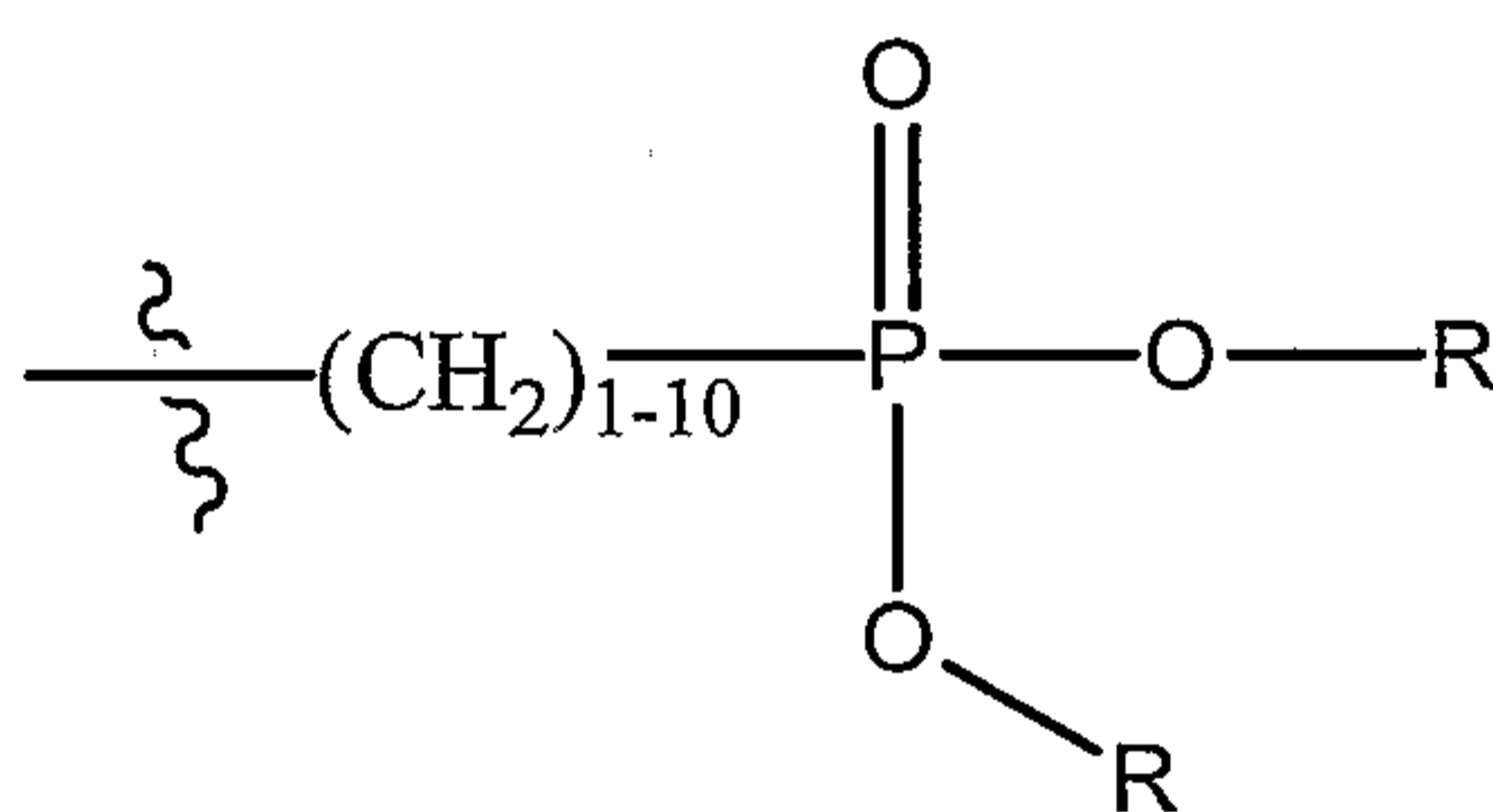
5 Y<sup>1a</sup> is O or S;

Y<sup>2b</sup> is O or N(R<sup>2</sup>); and

Y<sup>2c</sup> is O, N(R<sup>y</sup>) or S; and

10 each R<sup>2</sup> and R<sup>2a</sup> is independently selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, azido, haloalkyl, cycloalkyl, aryl, haloaryl, and heteroaryl.

26. The compound of embodiment 1 wherein A<sup>3</sup> is of the formula:

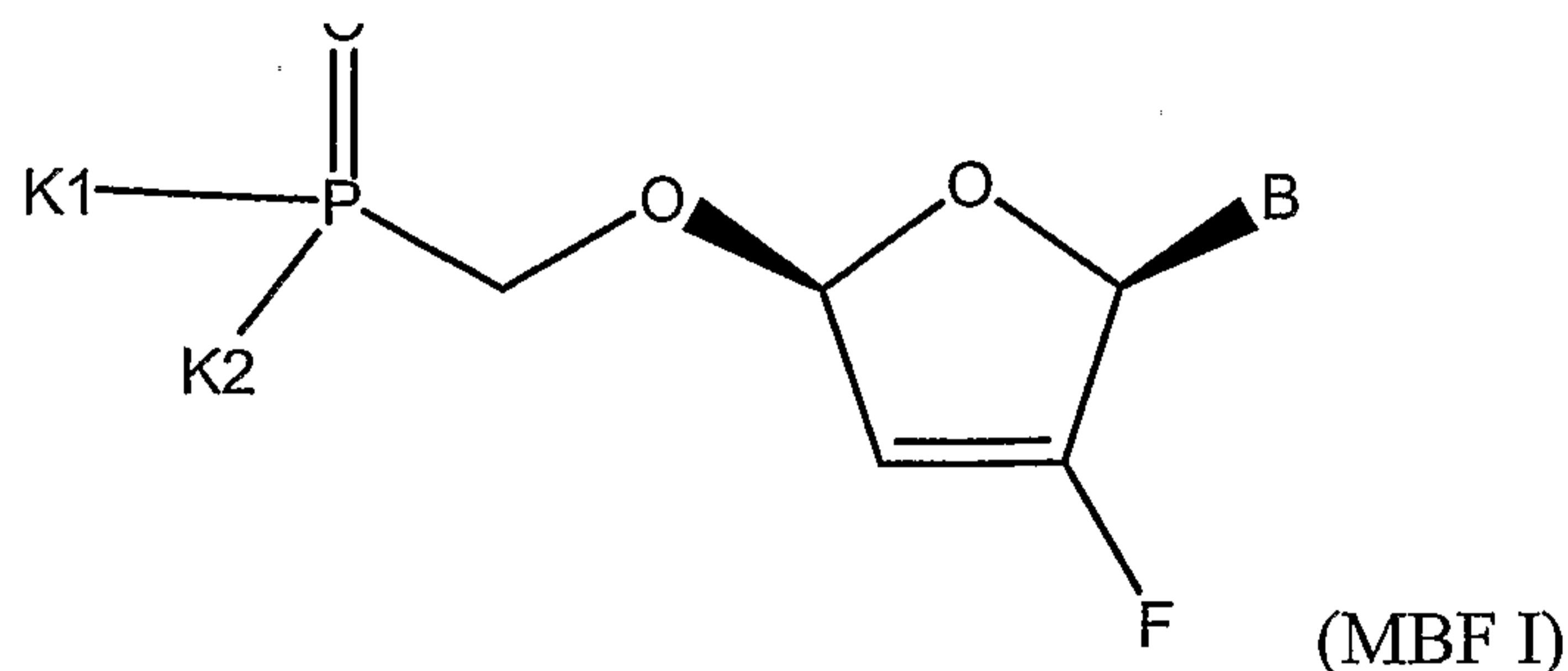


15

wherein each R is independently H or alkyl.

27. The compound of embodiment 1 which is isolated and purified.

20 28. A compound of formula MBF I, or prodrugs, solvates, or pharmaceutically acceptable salts or esters thereof



wherein

each K1 and K2 are independently selected from the group consisting of A<sup>5k</sup>  
 5 and -Y<sup>k2</sup>A<sup>5k</sup>;

Y<sup>k2</sup> is O, N(R<sup>k</sup>), or S;

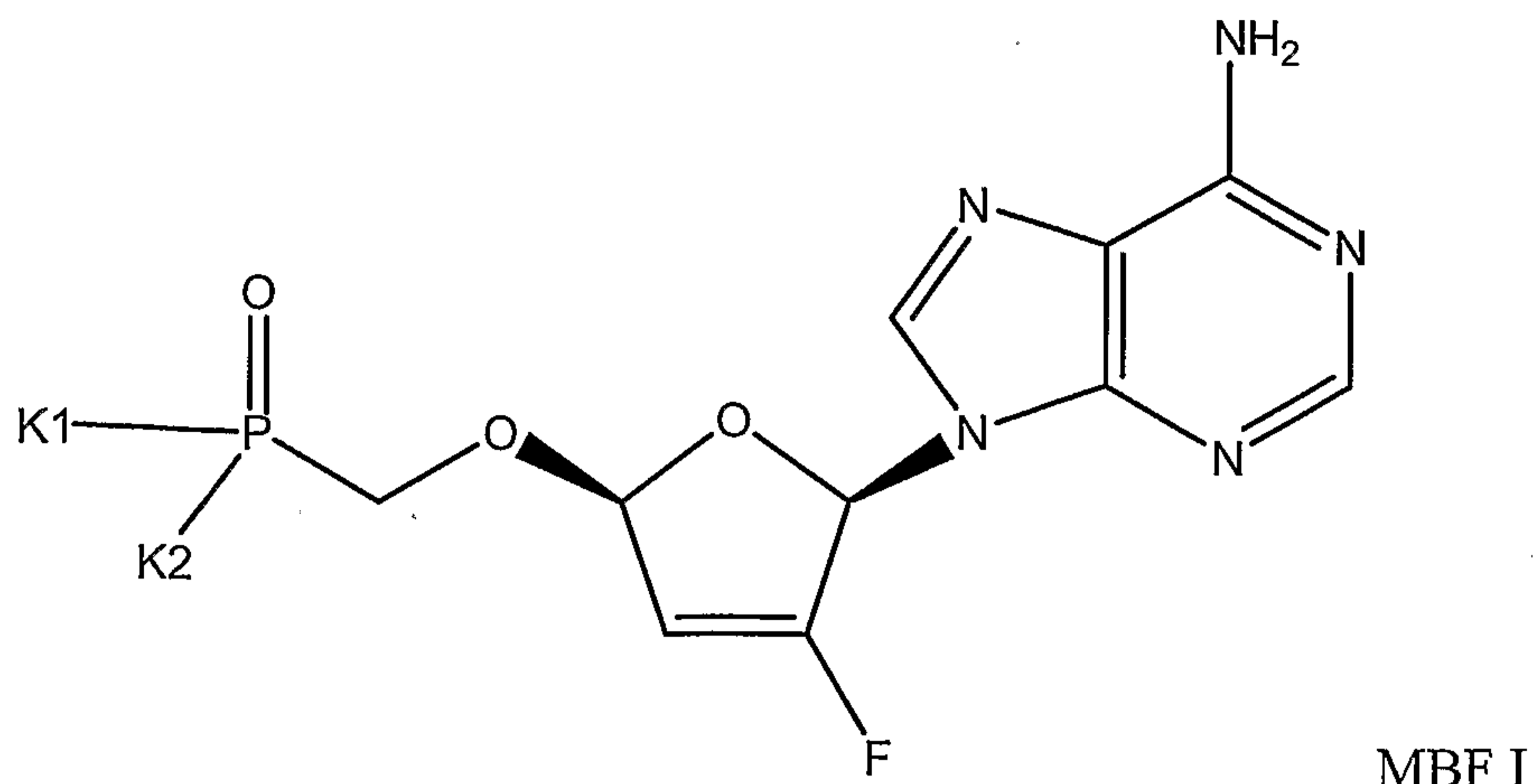
B is Base;

A<sup>5k</sup> is H, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano,  
 haloalkyl, cycloalkyl, aryl, haloaryl, or heteroaryl, optionally substituted with R<sup>k</sup>; and

10 R<sup>k</sup> is independently selected from the group consisting of H, halogen, alkyl,  
 alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, azido, haloalkyl,  
 cycloalkyl, aryl, haloaryl, and heteroaryl; provided that when B is adenine, then both  
 K1 and K2 are not simultaneously both -OH or -OEt.

15 29. The compound of embodiment 28 wherein B is selected from the group  
 consisting of 2, 6-diaminopurine, guanine, adenine, cytosine, 5-fluoro-cytosine,  
 monodeaza, and monoaza analogues thereof.

20 30. The compound of embodiment 28 wherein MBF I is of the formula



31. The compound of embodiment 1 wherein B is selected from the group consisting of adenine, guanine, cytosine, uracil, thymine, 7-deazaadenine, 7-  
 5 deazaguanine, 7-deaza-8-azaguanine, 7-deaza-8-azaadenine, inosine, nebularine, nitropyrrole, nitroindole, 2-aminopurine, 2-amino-6-chloropurine, 2,6-diaminopurine, hypoxanthine, pseudouridine, pseudocytosine, pseudoisocytosine, 5-propynylcytosine, isocytosine, isoguanine, 7-deazaguanine, 2-thiopyrimidine, 6-thioguanine, 4-thiothymine, 4-thiouracil,  $O^6$ -methylguanine,  $N^6$ -methyladenine,  $O^4$ -  
 10 methylthymine, 5,6-dihydrothymine, 5,6-dihydrouracil, 4-methylindole, substituted triazole, and pyrazolo[3,4-D]pyrimidine.

32. The compound of embodiment 1 wherein B is selected from the group consisting of adenine, guanine, cytosine, uracil, thymine, 7-deazaadenine, 7-  
 15 deazaguanine, 7-deaza-8-azaguanine, 7-deaza-8-azaadenine, aminopurine, 2-amino-6-chloropurine, 2,6-diaminopurine, and 7-deazaguanine.

33. The compound of embodiment 1 that is selected from Table Y.

20 34 The compound of embodiment 28 wherein K1 and K2 are selected from Table 100.

### Table 100



K1	K2	Ester
Ala	OPh	cPent
Ala	OCH <sub>2</sub> CF <sub>3</sub>	Et
Ala	OPh	3-furan-4H
Ala	OPh	cBut
Phe(B)	OPh	Et
Phe(A)	OPh	Et
Ala(B)	OPh	Et
Phe	OPh	sBu(S)
Phe	OPh	cBu
Phe	OCH <sub>2</sub> CF <sub>3</sub>	iBu
Ala(A)	OPh	Et
Phe	OPh	sBu(R)
Ala(B)	OPh	CH <sub>2</sub> cPr
Ala(A)	OPh	CH <sub>2</sub> cPr
Phe(B)	OPh	nBu
Phe(A)	OPh	nBu

Phe	OPh	CH <sub>2</sub> cPr
Phe	OPh	CH <sub>2</sub> cBu
Ala	OPh	3-pent
ABA(B)	OPh	Et
ABA(A)	OPh	Et
Ala	OPh	CH <sub>2</sub> cBu
Met	OPh	Et
Pro	OPh	Bn
Phe(B)	OPh	iBu
Phe(A)	OPh	iBu
Phe	OPh	iPr
Phe	OPh	nPr
Ala	OPh	CH <sub>2</sub> cPr
Phe	OPh	Et
Ala	OPh	Et
ABA	OPh	nPent
Phe	Phe	nPr
Phe	Phe	Et

Ala	Ala	Et
CHA	OPh	Me
Gly	OPh	iPr
ABA	OPh	nBu
Phe	OPh	allyl
Ala	OPh	nPent
Gly	OPh	iBu
ABA	OPh	iBu
Ala	OPh	nBu
CHA	CHA	Me
Phe	Phe	Allyl
ABA	ABA	nPent
Gly	Gly	iBu
Gly	Gly	iPr
Phe	OPh	iBu
Ala	OPh	nPr
Phe	OPh	nBu
ABA	OPh	nPr

ABA	OPh	Et
Ala	Ala	Bn
Phe	Phe	nBu
ABA	ABA	nPr
ABA	ABA	Et
Ala	Ala	nPr
Ala	OPh	iPr
Ala	OPh	Bn
Ala	Ala	nBu
Ala	Ala	iBu
ABA	ABA	nBu
ABA	ABA	iPr
Ala	OPh	iBu
ABA	OPh	Me
ABA	OPh	iPr
ABA	ABA	iBu

wherein Ala represents L-alanine, Phe represents L-phenylalanine, Met represents L-methionine, ABA represents (S)-2-aminobutyric acid, Pro represents L-proline, CHA represents 2-amino-3-(S)cyclohexylpropionic acid, Gly represents glycine;

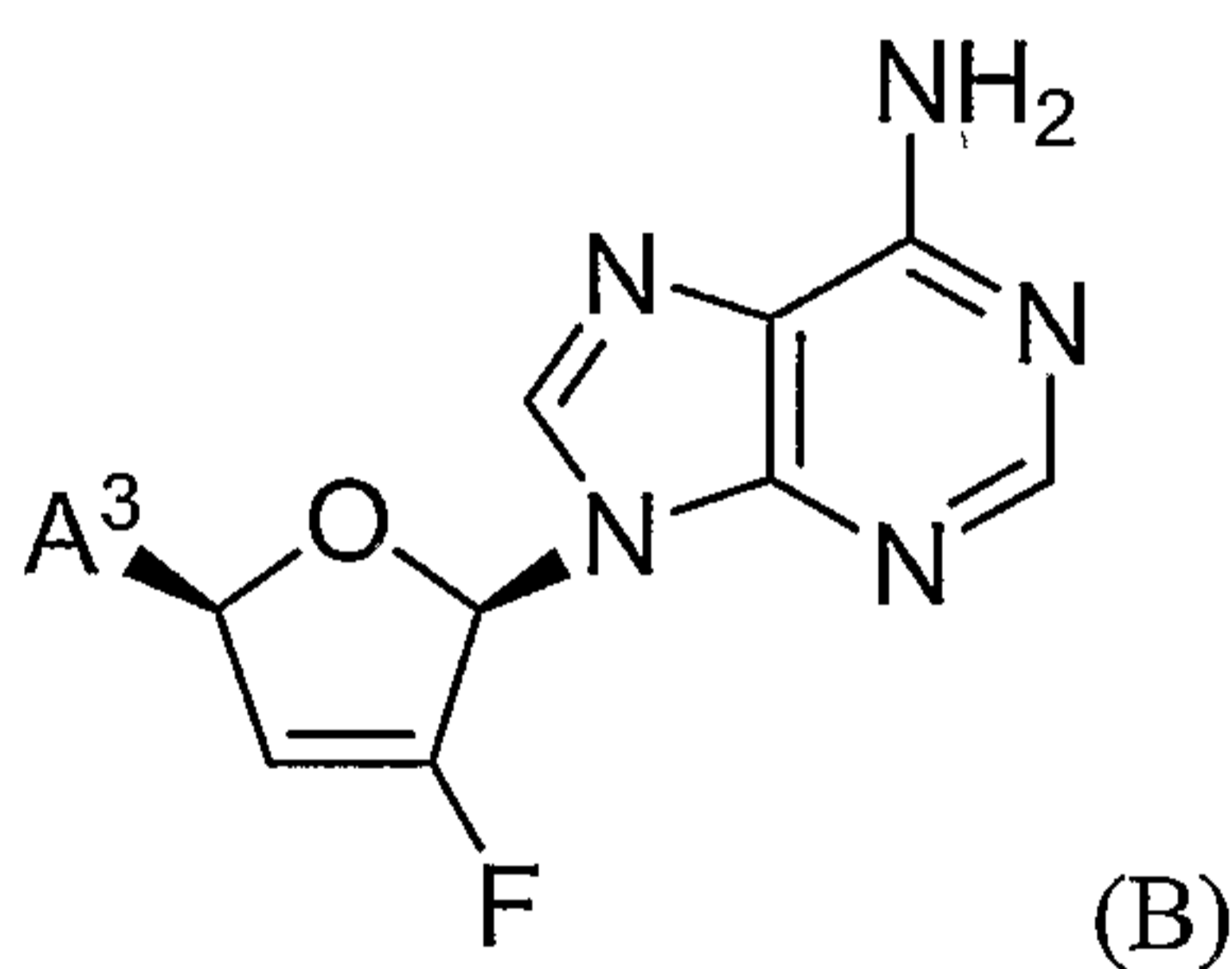
K1 or K2 amino acid carboxyl groups are esterified as denoted in the ester column, wherein

5 cPent is cyclopentane ester ; Et is ethyl ester, 3-furan-4H is the (R) tetrahydrofuran-3-yl ester; cBut is cyclobutane ester; sBu(S) is the (S) secButyl ester; sBu(R) is the (R) secButyl ester; iBu is isobutyl ester; CH<sub>2</sub>cPr is methylcyclopropane ester, nBu is n-butyl ester ; CH<sub>2</sub>cBu is methylcyclobutane ester; 3-pent is 3-pentyl ester ; nPent is nPentyl ester; iPr is isopropyl ester , nPr is nPropyl ester ; allyl is allyl ester; Me is methyl ester; Bn is Benzyl ester; and

10 wherein A or B in parentheses denotes one stereoisomer at phosphorus, with the least polar isomer denoted as (A) and the more polar as (B).

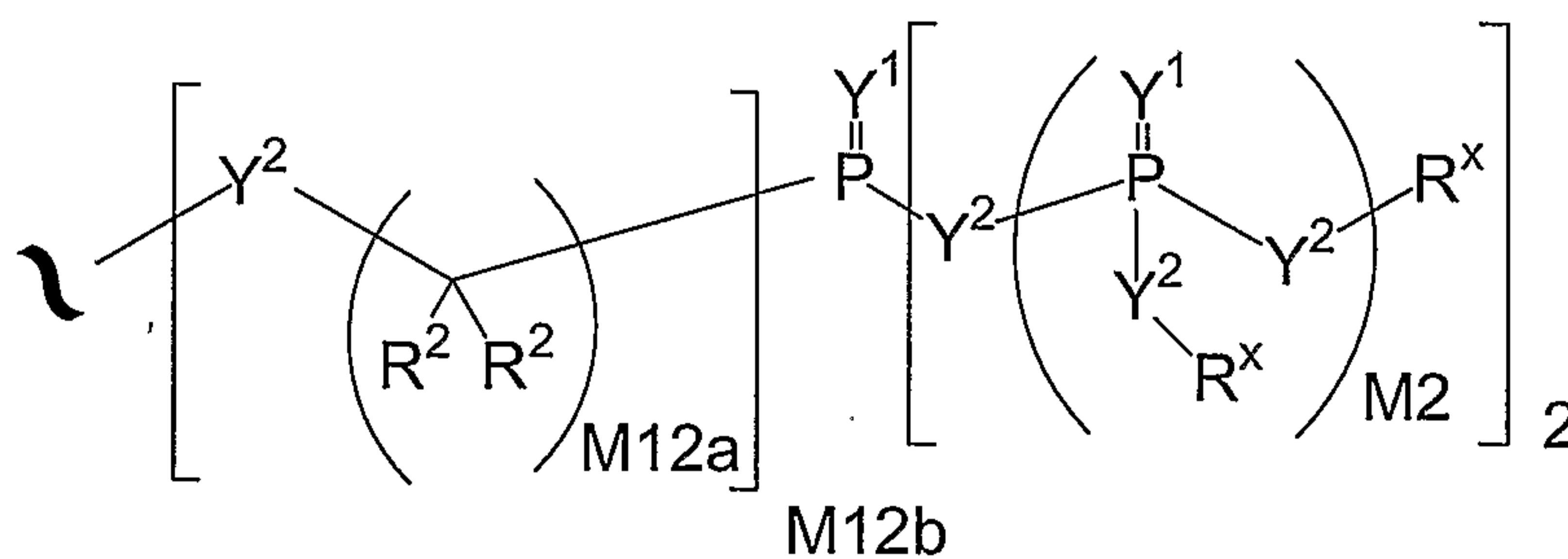
15

35. A compound of formula B, and the salts and solvates thereof.



wherein:

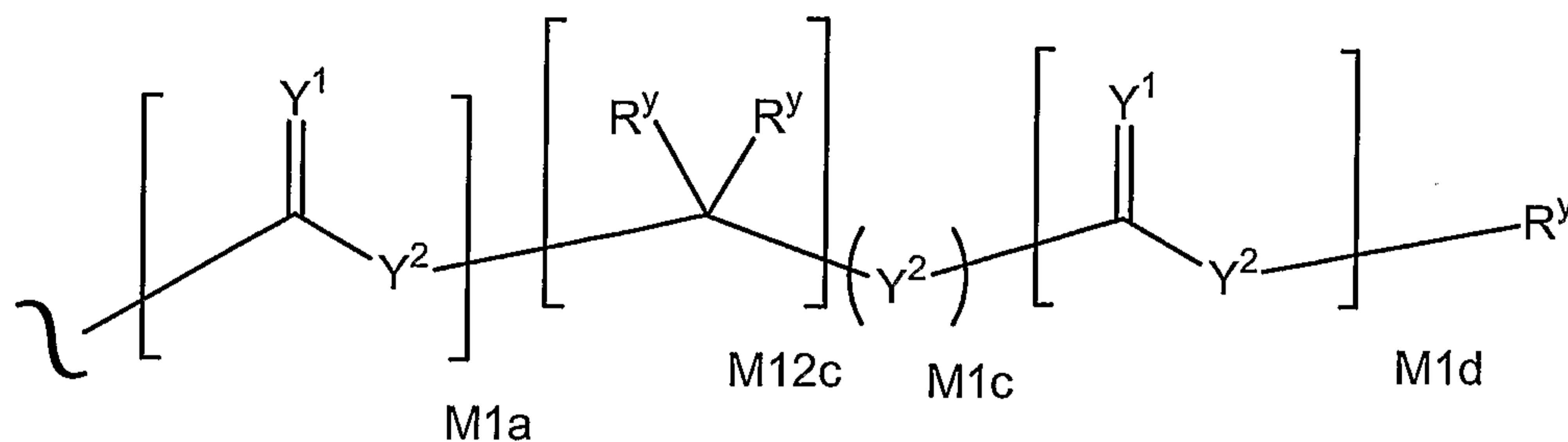
A<sup>3</sup> is:



Y<sup>1</sup> is independently O, S, N(R<sup>x</sup>), N(O)(R<sup>x</sup>), N(OR<sup>x</sup>), N(O)(OR<sup>x</sup>), or N(N(R<sup>x</sup>)(R<sup>x</sup>));

$R^x$  is independently a bond,  $H$ ,  $R^1$ ,  $R^2$ ,  $W^3$ ,  $N(O)(R^x)$ ,  $N(OR^x)$ ,  $N(O)(OR^x)$ ,  $N(N(R^x)(R^x))$ ,  $-S(O)_{M2-}$ , or  $-S(O)_{M2-}S(O)_{M2-}$ ; and when  $Y^2$  joins two phosphorous atoms  $Y^2$  can also be  $C(R^2)(R^2)$ ;

$R^x$  is independently  $H$ ,  $R^1$ ,  $R^2$ ,  $W^3$ , a protecting group, or the formula:



5

wherein:

$R^y$  is independently  $H$ ,  $W^3$ ,  $R^2$  or a protecting group;

$R^1$  is independently  $H$  or alkyl of 1 to 18 carbon atoms;

$R^2$  and  $R^{2a}$  are independently  $H$ ,  $R^1$ ,  $R^3$ , or  $R^4$  wherein each  $R^4$  is

10 independently substituted with 0 to 3  $R^3$  groups or taken together at a carbon atom, two  $R^2$  groups form a ring of 3 to 8 carbons and the ring may be substituted with 0 to 3  $R^3$  groups;

$R^3$  is  $R^{3a}$ ,  $R^{3b}$ ,  $R^{3c}$  or  $R^{3d}$ , provided that when  $R^3$  is bound to a heteroatom, then  $R^3$  is  $R^{3c}$  or  $R^{3d}$ ;

15  $R^{3a}$  is  $F$ ,  $Cl$ ,  $Br$ ,  $I$ ,  $-CN$ ,  $N_3$  or  $-NO_2$ ;

$R^{3b}$  is  $Y^1$ ;

$R^{3c}$  is  $-R^x$ ,  $-N(R^x)(R^x)$ ,  $-SR^x$ ,  $-S(O)R^x$ ,  $-S(O)_2R^x$ ,  $-S(O)(OR^x)$ ,  $-S(O)_2(OR^x)$ ,  $-OC(Y^1)R^x$ ,  $-OC(Y^1)OR^x$ ,  $-OC(Y^1)(N(R^x)(R^x))$ ,  $-SC(Y^1)R^x$ ,  $-SC(Y^1)OR^x$ ,  $-SC(Y^1)(N(R^x)(R^x))$ ,  $-N(R^x)C(Y^1)R^x$ ,  $-N(R^x)C(Y^1)OR^x$ , or  $-N(R^x)C(Y^1)(N(R^x)(R^x))$ ;

20  $R^{3d}$  is  $-C(Y^1)R^x$ ,  $-C(Y^1)OR^x$  or  $-C(Y^1)(N(R^x)(R^x))$ ;

$R^4$  is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

$R^5$  is  $R^4$  wherein each  $R^4$  is substituted with 0 to 3  $R^3$  groups;

$W^3$  is  $W^4$  or  $W^5$ ;

25  $W^4$  is  $R^5$ ,  $-C(Y^1)R^5$ ,  $-C(Y^1)W^5$ ,  $-SO_{M2}R^5$ , or  $-SO_{M2}W^5$ ;

$W^5$  is carbocycle or heterocycle wherein  $W^5$  is independently substituted with 0 to 3  $R^2$  groups;

$W^6$  is  $W^3$  independently substituted with 1, 2, or 3  $A^3$  groups;

M12 is 0, 1 or 2;

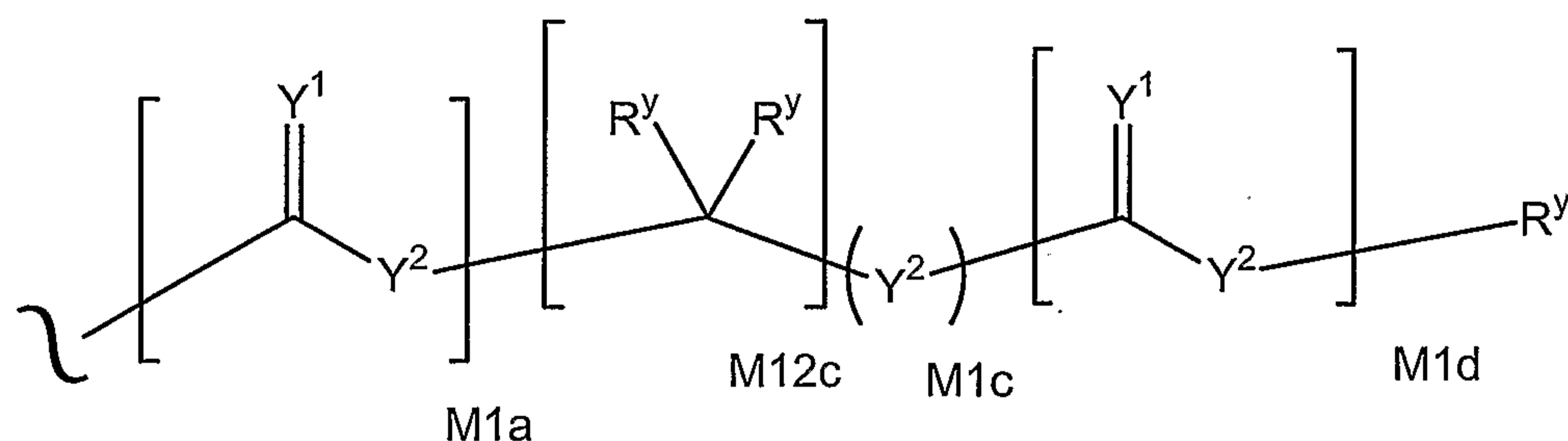
M12a is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

M12b is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

M1a, M1c, and M1d are independently 0 or 1; and

5 M12c is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12; wherein A<sup>3</sup> is not  
-O-CH<sub>2</sub>-P(O)(OH)<sub>2</sub> or -O-CH<sub>2</sub>-P(O)(OEt)<sub>2</sub>.

36. The compound of embodiment 35 wherein m2 is 0, Y<sup>1</sup> is O, Y<sup>2</sup> is O, M12b  
and M12a are 1, one Y<sup>3</sup> is -OR<sup>x</sup> where R<sup>x</sup> is W<sup>3</sup> and the other Y<sup>3</sup> is N(H)R<sup>x</sup> where R<sup>x</sup>  
10 is

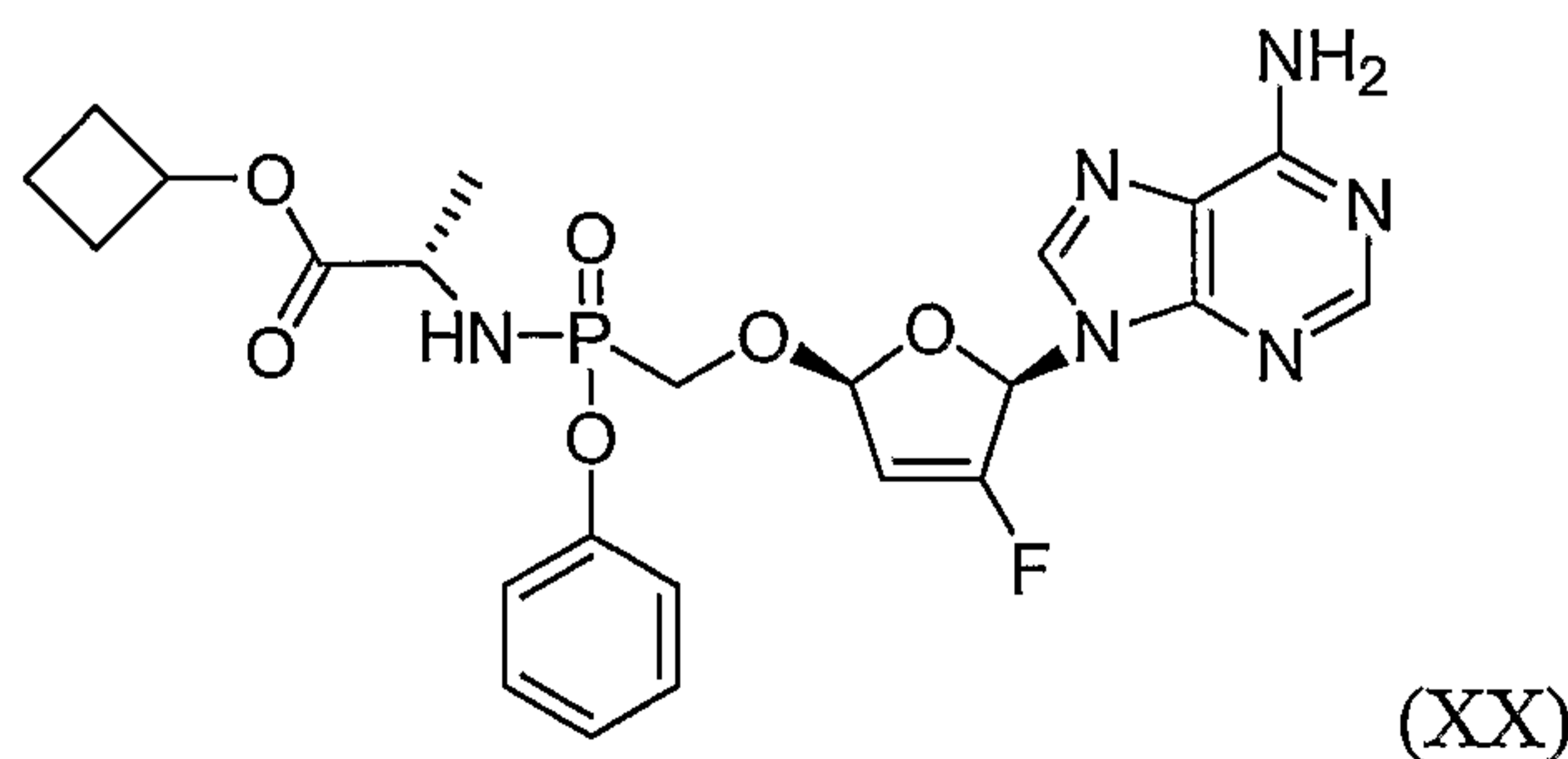


37. The compound of embodiment 36 wherein the terminal R<sup>y</sup> of R<sup>x</sup> is selected  
15 from the group of esters in Table 100.

38. The compound of embodiment 36 wherein the terminal R<sup>y</sup> of R<sup>x</sup> is a C1-C8  
normal, secondary, tertiary or cyclic alkylene, alkynylene or alkenylene.

20 39. The compound of embodiment 36 wherein the terminal R<sup>y</sup> of R<sup>x</sup> is a  
heterocycle containing 5 to 6 ring atoms and 1 or 2 N, O and/or S atoms in the ring.

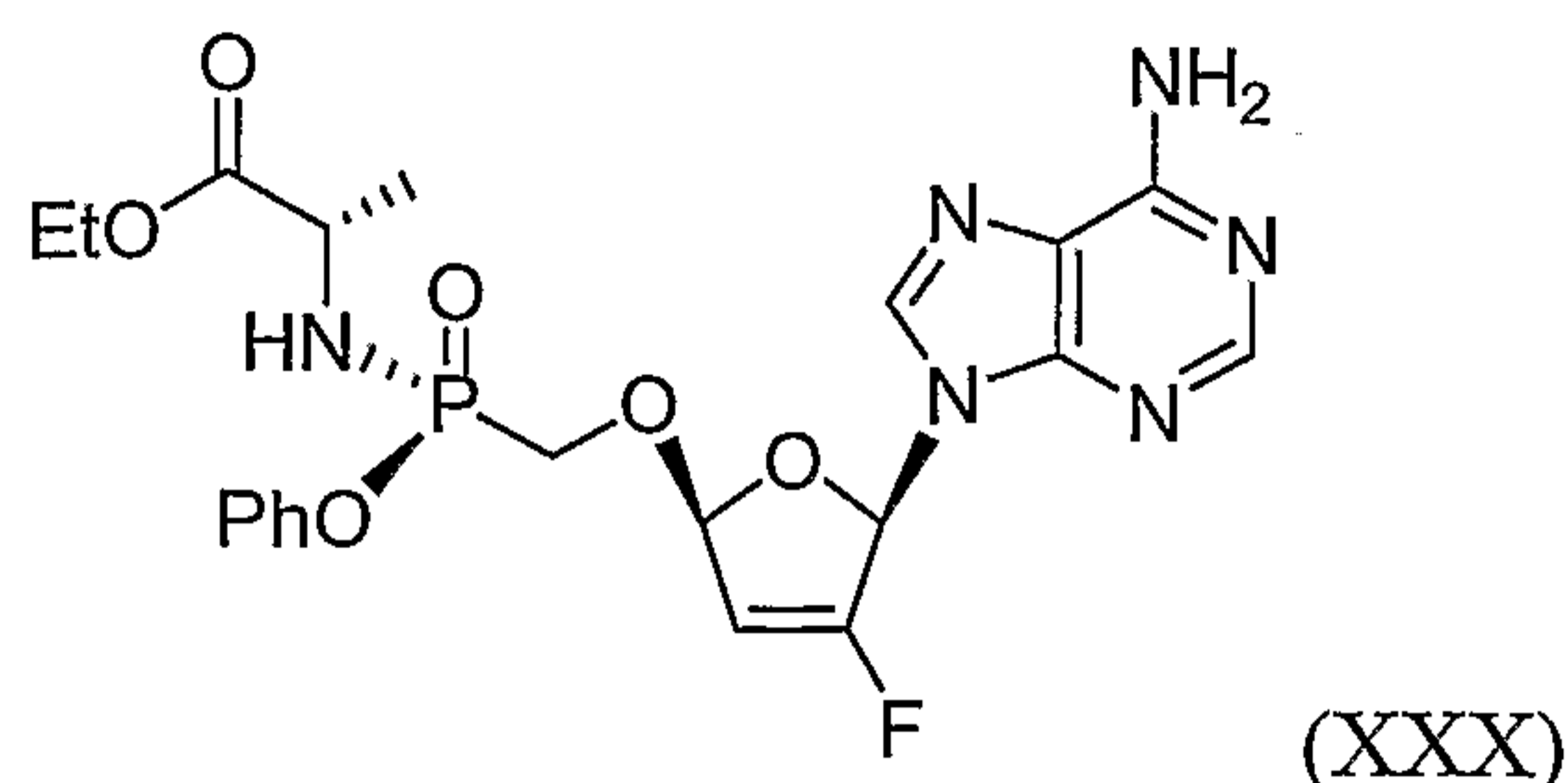
40. The compound of embodiment 1 having the formula XX:



25

(XX)

41. The compound of embodiment 1 having the formula XXX:



5

42. A pharmaceutical composition comprising a pharmaceutical excipient and an antivirally-effective amount of the compound of embodiment 1.

43. The pharmaceutical composition of embodiment 32 that further comprises a second active ingredient.

10

44. A combination comprising the compound of embodiment 1 and one or more antivirally active ingredients.

45. The combination of embodiment 44 wherein one or more of the active ingredients is selected from Table 98.

15

46. The combination of embodiment 45 wherein one of the active ingredients is selected from the group consisting of Truvada, Viread, Emtriva, d4T, Sustiva, or Amprenavir antiviral compounds.

20

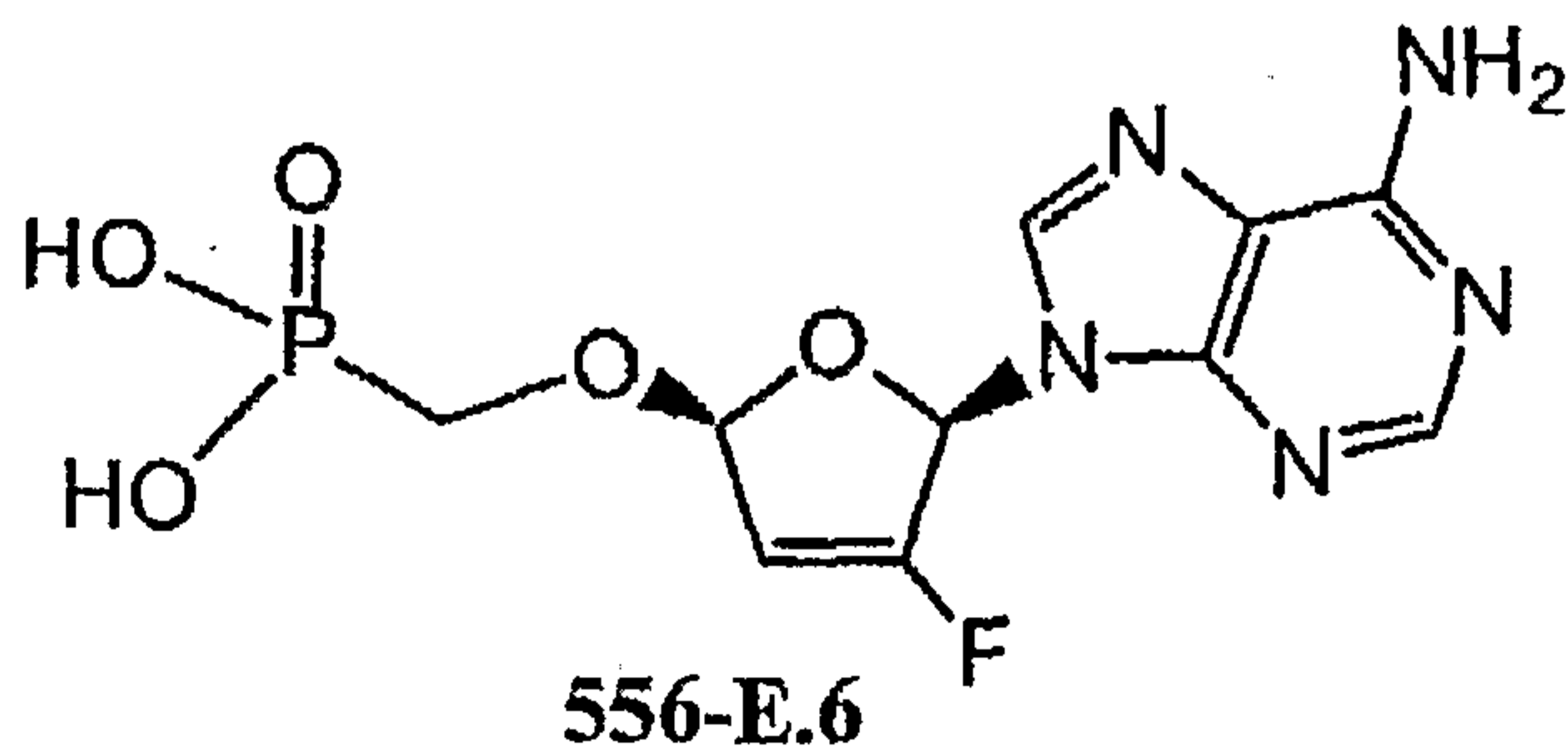
47. The combination of embodiment 44 wherein one or more of the active ingredients is selected from Table 99.

48. The combination of embodiment 47 wherein one of the active ingredients is selected from the group consisting of Truvada, Viread, Emtriva, d4T, Sustiva, or Amprenavir antiviral compounds.

25



47. THE COMBINATION OF EMBODIMENT 45 for use in medical therapy.
50. The combination of embodiment 48 for use in medical therapy.
- 5 51. The pharmaceutical composition of embodiment 42 for use in medical therapy.
52. The pharmaceutical composition of embodiment 43 for use in medical therapy
- 10 53. The compound of embodiment 1 for use in antiretroviral or antihepadinaviral treatment.
54. A method of preparing the compound of embodiment 1 according to the Examples or Schemes.
- 15 55. Use of a compound of embodiment 1 for preparing a medicament for treating HIV or a HIV associated disorder.
56. A method of therapy for treating HIV or HIV-associated disorders with the  
20 compound of embodiment 1.
57. A method of treating disorders associated with HIV, said method comprising administering to an individual infected with, or at risk for HIV infection, a pharmaceutical composition which comprises a therapeutically effective amount of  
25 the compound of any of embodiments 1-28.
58. A compound of Table Y, provided the compound is not



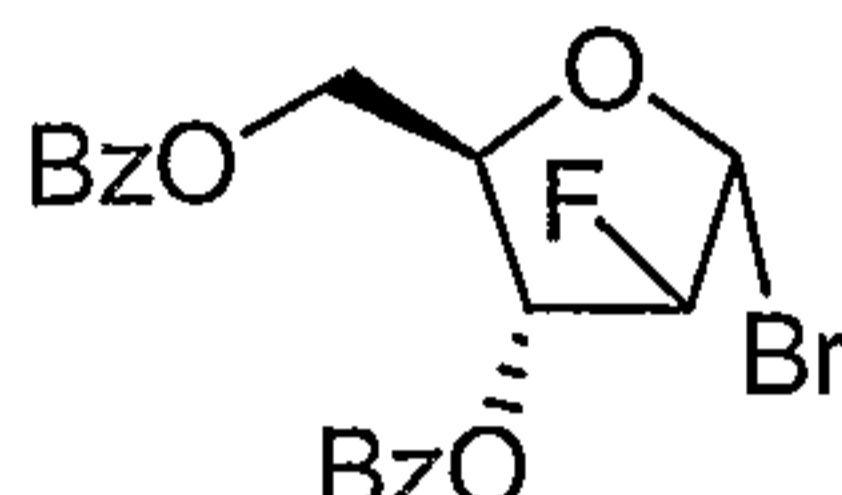
or its ethyl diester.

5

### EXAMPLES AND EXEMPLARY EMBODIMENTS

EXAMPLES:

10



**2-deoxy-2-fluoro-3,5-di-O-benzoyl-β-D-arabinofuranosylbromide (2)**

*Tann et al., JOC 1985, 50, p3644*

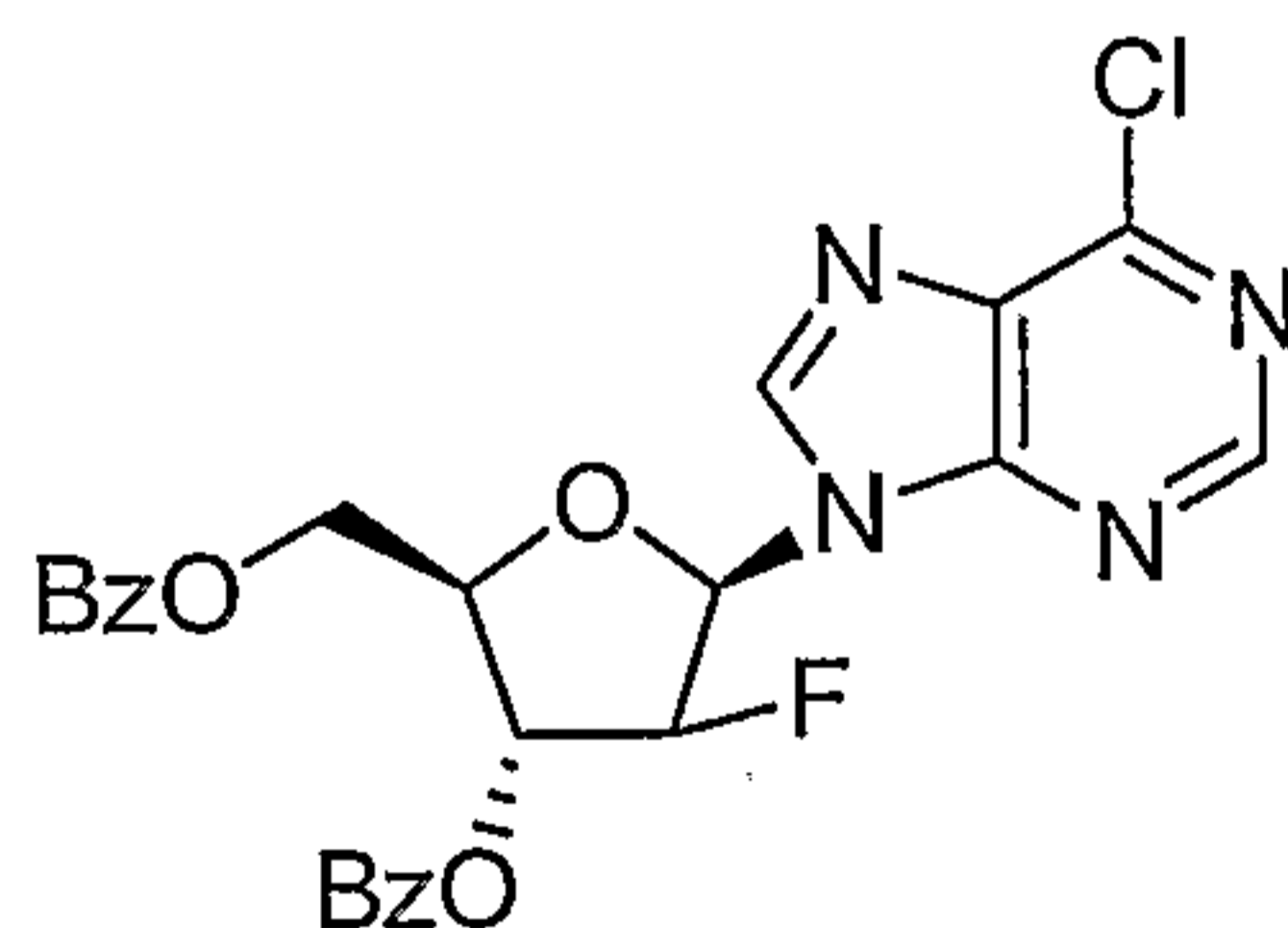
15 *Howell et al. JOC 1988, 53, p85*

To a solution of **1** (120 g, 258 mmol), commercially available from Davos or CMS chemicals, in CH<sub>2</sub>Cl<sub>2</sub> (1 L) was added 33% HBr / Acetic acid (80 mL).

The mixture was stirred at room temperature for 16 h, cooled with ice-water, and slowly neutralized over 1-2 h with NaHCO<sub>3</sub> (150 g / 1.5 L solution). The

20 CH<sub>2</sub>Cl<sub>2</sub> phase was separated and concentrated under reduced pressure. The residue was dissolved in ethyl acetate and washed with NaHCO<sub>3</sub> until no acid was present. The organic phase was dried over MgSO<sub>4</sub>, filtered and concentrated under reduced pressure to give product **2** as a yellow oil (~115 g).

25



**2-deoxy-2-fluoro-3,5-di-O-benzoyl-β-D-arabinofuranosyl-9H-6-chloropurine (3)**

*Ma et al., J. Med. Chem. 1997, 40, 2750*

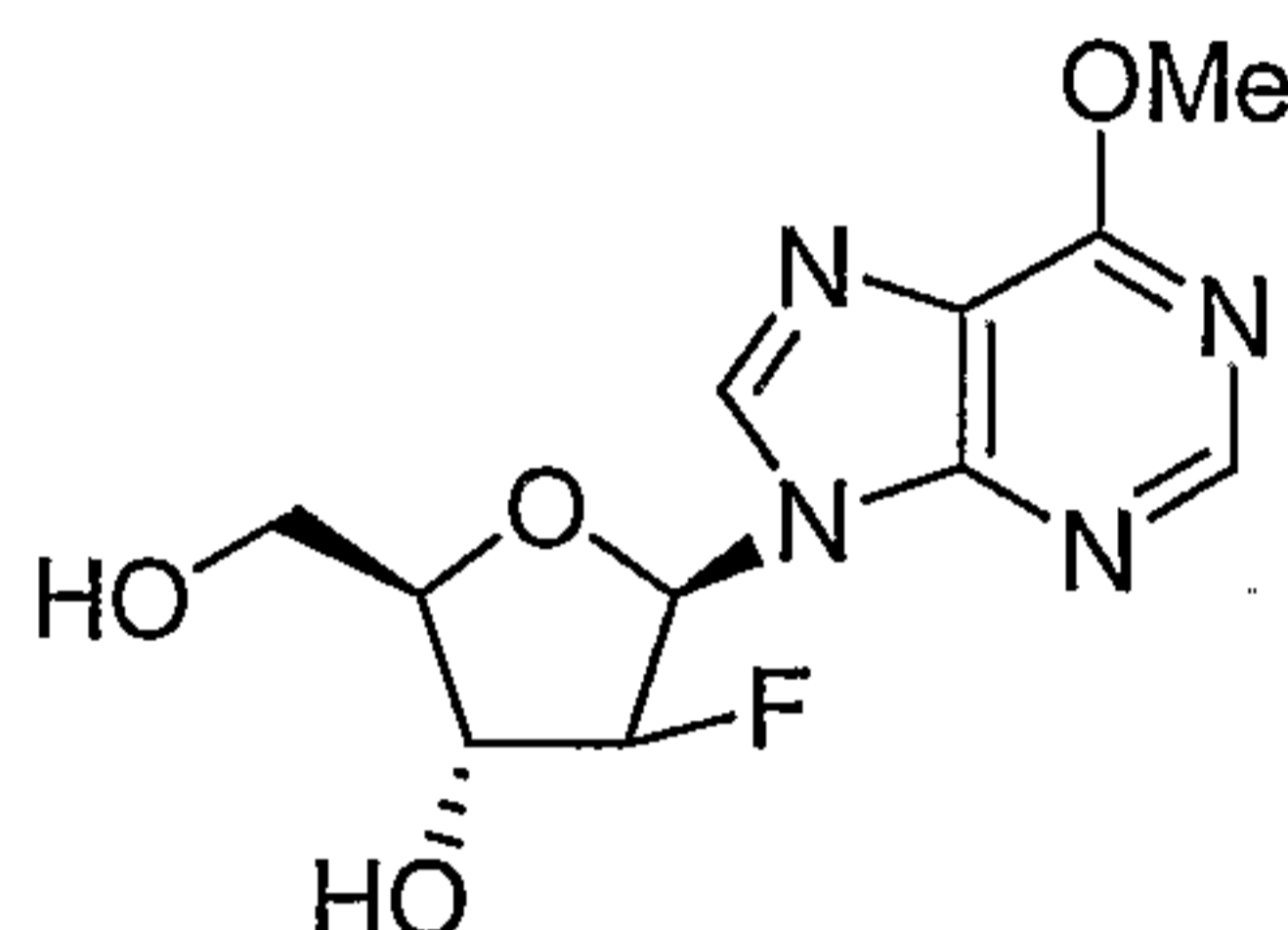
30 *Marquez et al., J. Med. Chem. 1990, 33, 978*

*Hildebrand et al., J. Org. Chem. 1992, 57, 1808*

*Kazimierczuk et al. JACS 1984, 106, 6379*

To a suspension of NaH (14 g, 60%) in ACETONITRILE (900 mL), 6-chloropurine (52.6 g) was added in 3 portions. The mixture was stirred at

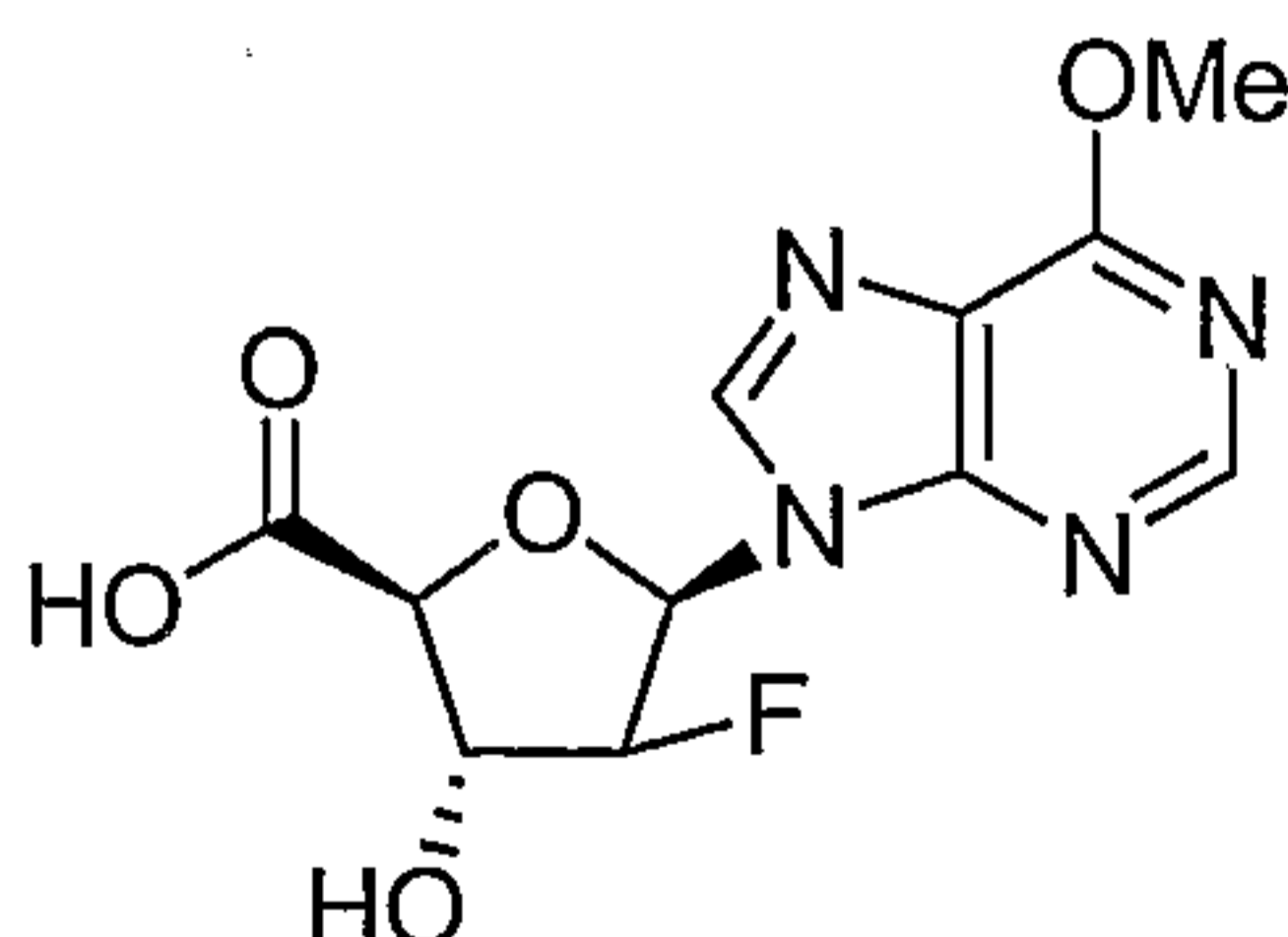
room temperature for 1.5 h. A solution of **2** (258 mmol) in ACETONITRILE (300 mL) was added dropwise. The resulting mixture was stirred at room temperature for 16 h. The reaction was quenched with Acetic acid (3.5 mL), filtered and concentrated under reduced pressure. The residue was  
5 partitioned between CH<sub>2</sub>Cl<sub>2</sub> and water. The organic phase was dried over MgSO<sub>4</sub>, filtered and concentrated. The residue was treated with CH<sub>2</sub>Cl<sub>2</sub> and then EtOH (~1:2 overall) to precipitate out the desired product **3** as a yellowish solid (83 g, 65% from **1**).



10

**2-deoxy-2-fluoro -β-D-arabinofuranosyl-6-methoxyadenine (4)**

To a suspension of **3** (83 g, 167 mmol) in Methanol (1 L) at 0°C, NaOMe (25%  
15 wt, 76 mL) was added. The mixture was stirred at room temperature for 2 h, and then quenched with Acetic acid (~ 11 mL, pH=7). The mixture was concentrated under reduced pressure and the resultant residue partitioned between hexane and water (approximately 500 mL hexane and 300 mL water). The aqueous layer was separated and the organic layer mixed with water  
20 once again (approximately 300 mL). The water fractions were combined and concentrated under reduced pressure to ~100 mL. The product, **4**, precipitated out and was collected by filtration (42 g, 88%).



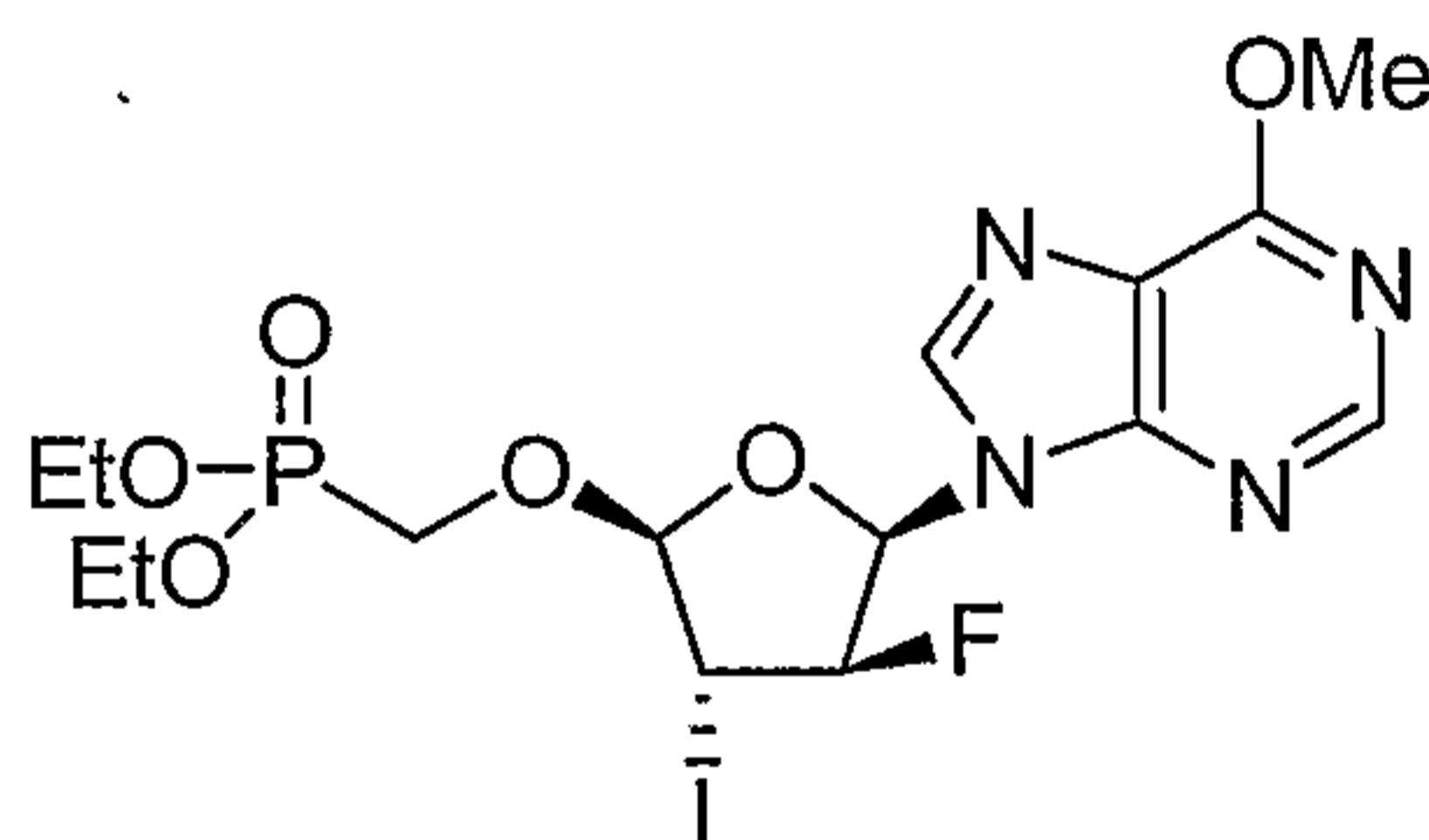
25

**2-deoxy-2-fluoro-5-carboxy-β-D-arabinofuranosyl-6-methoxyadenine (5)**

*Moss et al. J. Chem. Soc. 1963, p1149*

A mixture of 1 (10 g, 20 mmol mol equiv.) as a water slurry) and  
 NaHCO<sub>3</sub> (1.5 g, 17.94 mmol) in H<sub>2</sub>O (500 mL) was stirred at 65°C under H<sub>2</sub> for  
 0.5 h. The reaction mixture was then allowed to cool, placed under a vacuum  
 and flushed with N<sub>2</sub> several times to completely remove all H<sub>2</sub>. Compound 4  
 5 (5.1 g, 17.94 mmol) was then added at room temperature. The reaction  
 mixture was stirred at 65°C under O<sub>2</sub> (balloon) until the reaction was  
 complete by LC-MS (typically 24-72h). The mixture was cooled to room  
 temperature and filtered. The Pt/C was washed with H<sub>2</sub>O extensively. The  
 combined filtrates were concentrated to ~ 30 mL, and acidified (pH 4) by the  
 10 addition of HCl (4N) at 0°C. A black solid precipitated out which was  
 collected by filtration. The crude product was dissolved in a minimum  
 amount of Methanol and filtered through a pad of silica gel (eluting with  
 Methanol). The filtrate was concentrated and crystallized from water to give  
 compound 5 (2.5 g) as an off-white solid.

15



20 **(2'R, 3'S, 4'R, 5'R)-6-Methoxy-9-[tetrahydro 4-iodo-3-fluoro -5-(diethoxyphosphinyl)methoxy-2-furanyl]purine (6)**

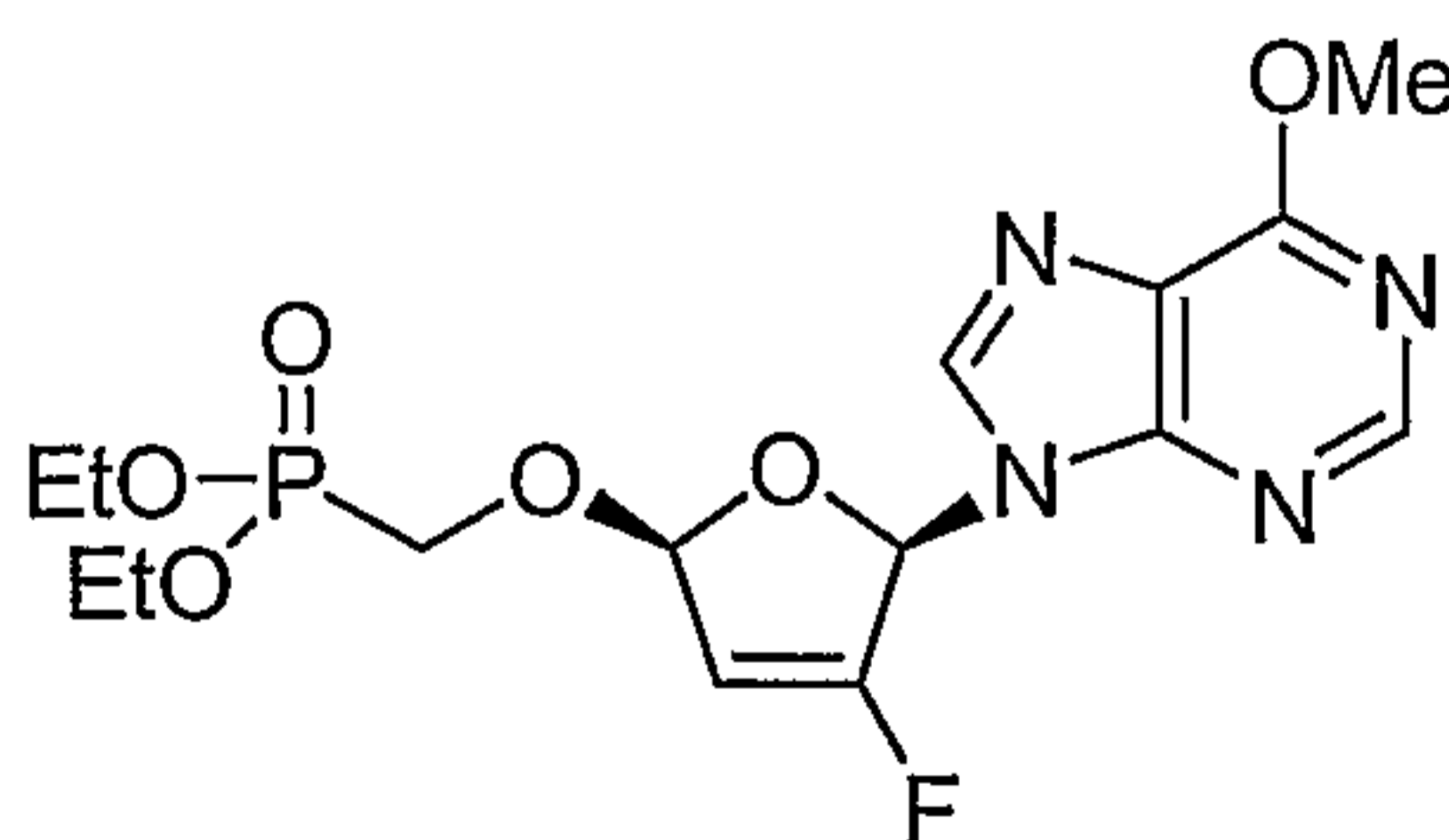
*Zemlicka et al., J. Amer. Chem. Soc. 1972, 94, p3213*

To a solution of 5 (22 g, 73.77 mmol) in DMF (400 mL), DMF dineopentyl  
 acetal (150 mL, 538 mmol) and methanesulfonic acid (9.5 mL, 146.6 mmol)  
 were added. The reaction mixture was stirred at 80-93°C (internal  
 25 temperature) for 30 min, then cooled to room temperature and concentrated  
 under reduced pressure. The residue was partitioned between ethyl acetate  
 and water. The organic phase was separated and washed with NaHCO<sub>3</sub>  
 followed by brine, dried over MgSO<sub>4</sub>, filtered and concentrated under  
 reduced pressure. The residue and diethyl (hydroxymethyl)phosphonate (33  
 30 mL, 225 mmol) were dissolved in CH<sub>2</sub>Cl<sub>2</sub> (250 mL) and cooled down to -40°C.

A solution of iodine monobromide (30.5 g, 1.1 mol) in  $\text{CH}_2\text{Cl}_2$  (100 mL) was added dropwise. The mixture was stirred at  $-20$  to  $-5^\circ\text{C}$  for 6 h. The reaction was then quenched with  $\text{NaHCO}_3$  and  $\text{Na}_2\text{S}_2\text{O}_3$ . The organic phase was separated and the water phase was extracted with  $\text{CH}_2\text{Cl}_2$ . The combined organic phases were washed with brine, dried over  $\text{MgSO}_4$ , filtered and concentrated under reduced pressure. The residue was purified by silica gel chromatography to give product 6 (6 g, 15.3%).

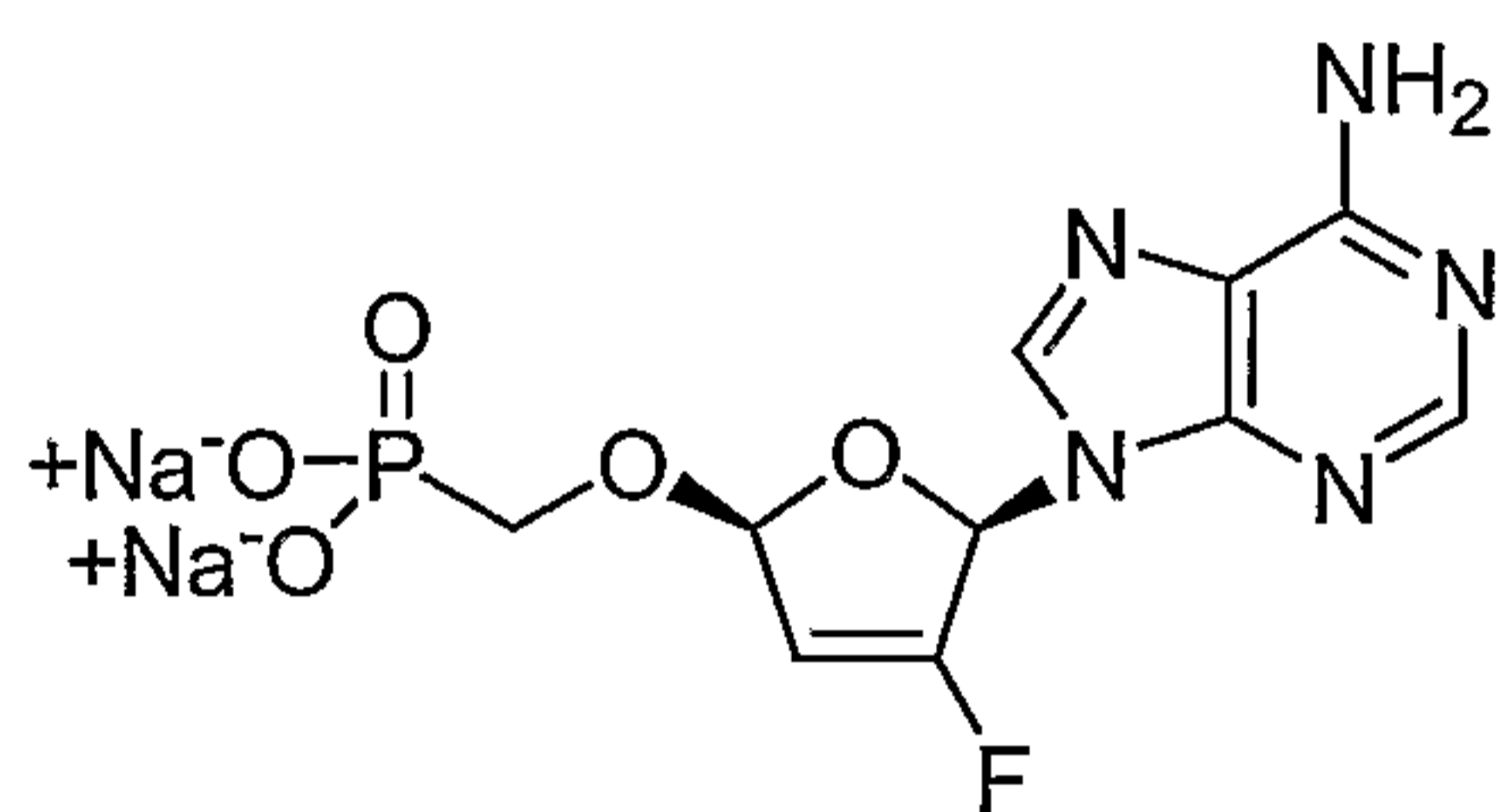
#### 10 Alternative Procedure for the Preparation of 6

A solution of 5 (2.0 g, 6.7 mmol) in THF (45 mL) was treated with triphenyl phosphine (2.3 g, 8.7 mmol) under  $\text{N}_2$ . Diisopropyl azodicarboxylate (1.8 g, 8.7 mmol) was added slowly. The resultant mixture was stirred at room temperature for 1 h and then concentrated under reduced pressure to dryness. The residue was dissolved in  $\text{CH}_2\text{Cl}_2$  (20 ml), and then treated with diethyl(hydroxymethyl)phosphonate (4.5 g, 27 mmol). The mixture was cooled to  $-60^\circ\text{C}$  and then a cold solution of iodine monobromide 2 g, 9.6 mmol) in  $\text{CH}_2\text{Cl}_2$  (10 ml) was added. The reaction mixture was warmed to  $-10^\circ\text{C}$  and then kept at  $-10^\circ\text{C}$  for 1 h. The reaction mixture was diluted with  $\text{CH}_2\text{Cl}_2$ , washed with saturated aqueous  $\text{NaHCO}_3$ , and then with aqueous sodium thiosulfate. The organic phase was separated, dried over  $\text{MgSO}_4$ , and concentrated under reduced pressure to dryness. The reaction mixture was purified by silica gel chromatography (eluting with 25% ethyl acetate in  $\text{CH}_2\text{Cl}_2$ , then switching to 3% methanol in  $\text{CH}_2\text{Cl}_2$ ) to afford product 6 (0.9 g, 33 %).

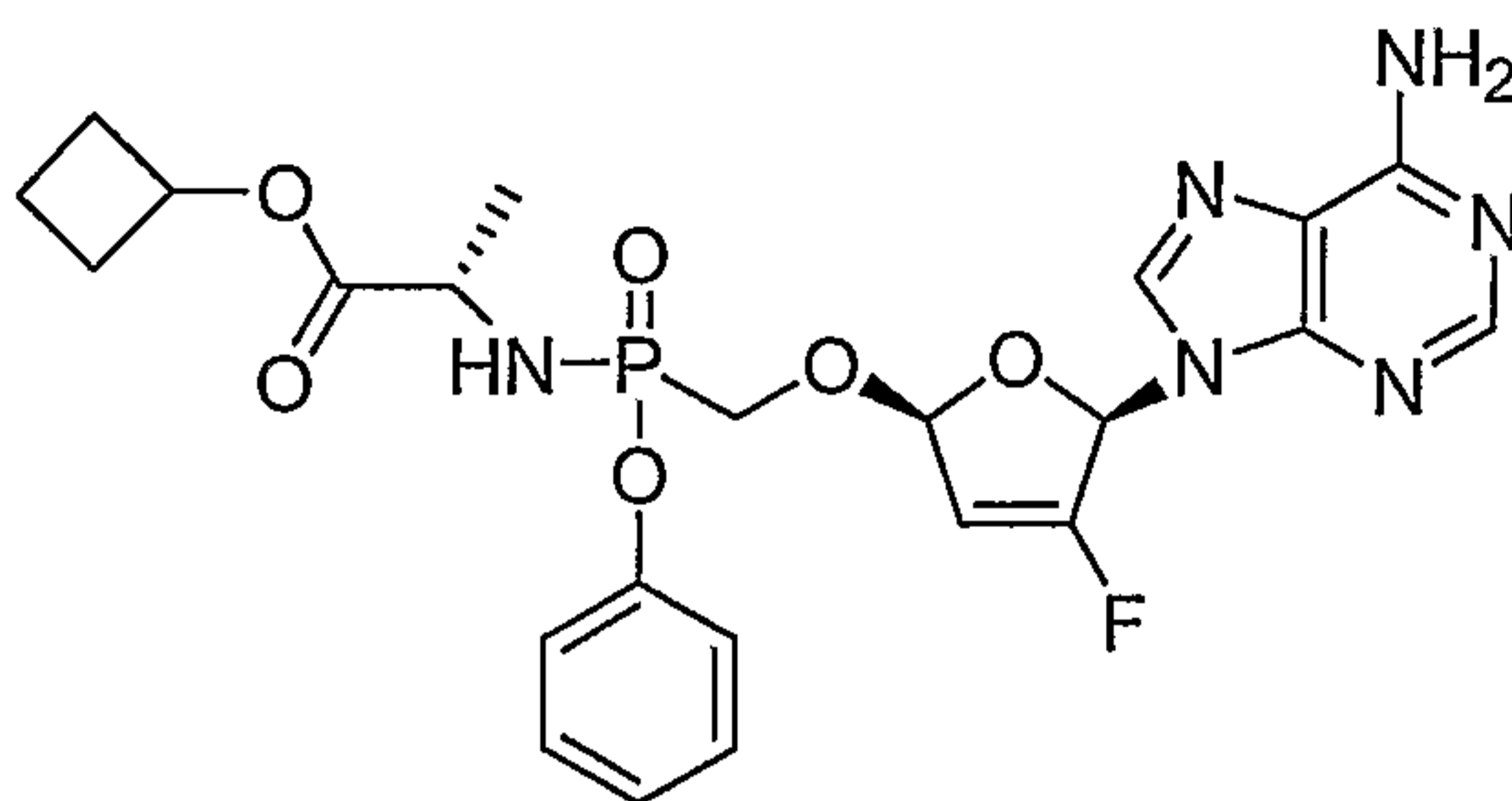


**(2'R, 5'R)-6-Methoxy-9-[3-fluoro-2,5-dihydro-5-(diethoxyphosphinyl)methoxy-2-furanyl]purine (7)**

5 To a solution of compound 6 (6 g, 11.3 mmol) in acetic acid (2.5 mL) and methanol (50 mL), NaClO (10-13%) (50 mL) was added dropwise. The reaction mixture was then stirred for 0.5 h and concentrated under reduced pressure. The residue was treated with ethyl acetate and then filtered to remove solids. The filtrate was concentrated and the residue was purified by  
10 silica gel chromatography to give product 7 (4 g, 88%).

**(2'R, 5'R)-9-(3-fluoro-2,5-dihydro-5-phosphonomethoxy-2-furanyl)adenine di sodium salt (8)**

15 A solution of compound 7 (2.3 g, 5.7 mmol) in methanol (6 mL) was mixed with ammonium hydroxide (28-30%) (60 mL). The resultant mixture was stirred at 120°C for 4 h, cooled, and then concentrated under reduced pressure. The residue was dried under vacuum for 12 h. The residue was  
20 dissolved in DMF (40 mL) and bromotrimethylsilane (3.5 mL) was added. The mixture was stirred at room temperature for 16 h, and then concentrated under reduced pressure. The residue was dissolved in aqueous NaHCO<sub>3</sub> (2.3 g in 100 mL of water). The solution was evaporated and the residue was purified on C-18 (40 μm) column, eluting with water. The aqueous fractions  
25 were freeze dried to give di-sodium salt 8 (1.22 g, 57%).



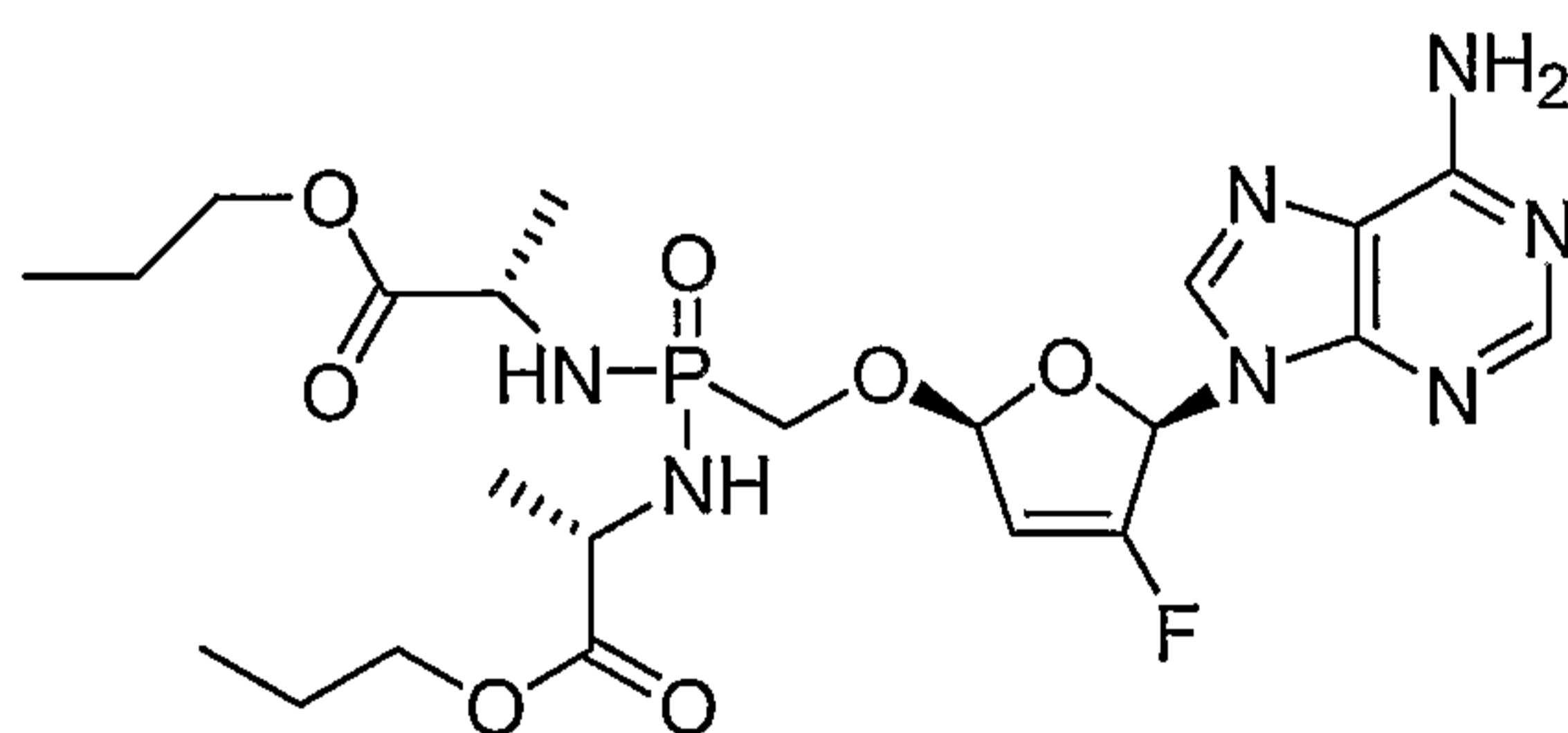
### Example of Monoamidate Preparation (9)

5 Di sodium salt 8 (25 mg, 0.066 mmol), (S)-Ala-O-cyclobutyl ester hydrochloride (24 mg, 2 eq., 0.133 mmol) and phenol (31 mg, 0.333 mmol) were mixed in anhydrous pyridine (1 mL). Triethylamine (111  $\mu$ L, 0.799 mmol) was added and the resultant mixture was stirred at 60°C under nitrogen. In a separate flask, 2'-Aldrithiol (122 mg, 0.466 mmol) and

10 triphenylphosphine (103 mg, 0.466 mmol) were dissolved in anhydrous pyridine (0.5mL) and the resulting yellow solution was stirred for 15-20 min. The solution was then added to the solution of 8 in one portion. The combined mixture was stirred at 60°C under nitrogen for 16 h to give a clear yellow to light brown solution. The mixture was then concentrated under

15 reduced pressure. The resultant oil was dissolved in  $\text{CH}_2\text{Cl}_2$  and purified by silica gel chromatography (eluting with a linear gradient of 0 to 5% MeOH in  $\text{CH}_2\text{Cl}_2$ ) to give an oil. The resulting oil was dissolved in acetonitrile and water and purified by preparative HPLC (linear gradient, 5-95% acetonitrile in water). Pure fractions were combined and freeze-dried to give mono

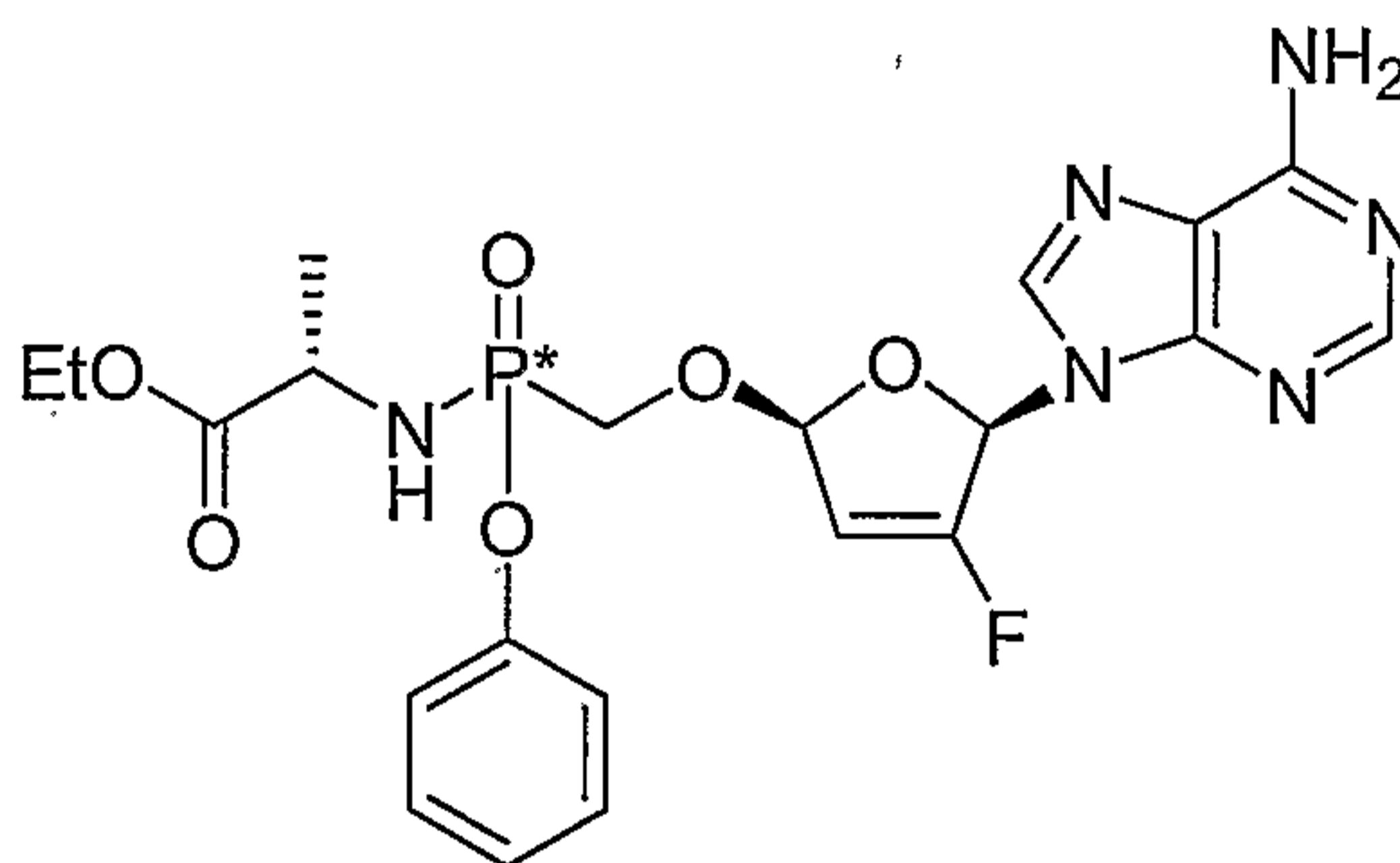
20 amidate 9 as a white powder.



### 25 Example of bis amidate preparation (10)

Diethylamine salt **8** (1.2 mg, 0.002 mmol) and (S)-Ala-O-n-Pr ester hydrochloride (32 mg, 6 eq., 0.192 mmol) were mixed in anhydrous pyridine (1 mL). Triethylamine (53  $\mu$ L, 0.384 mmol) was added and the resultant mixture was stirred at 60°C under nitrogen. In a separate flask, 2'-Aldrithiol (59 mg, 0.224 mmol) and triphenylphosphine (49 mg, 0.224 mmol) were dissolved in anhydrous pyridine (0.5 mL) and the resulting yellow solution was stirred for 15-20 min. The solution was then added to the solution of **8** in one portion. The combined mixture was stirred at 60°C under nitrogen for 16 h to give a clear yellow to light brown solution. The mixture was then concentrated under reduced pressure. The resultant oil was dissolved in  $\text{CH}_2\text{Cl}_2$  and purified by silica gel chromatography (eluting with a linear gradient of 0 to 5% MeOH in  $\text{CH}_2\text{Cl}_2$ ) to give an oil. The resulting oil was dissolved in acetonitrile and water and purified by preparative HPLC (linear gradient, 5-95% acetonitrile in water). Pure fractions were combined and freeze-dried to give bis-amidate as a white powder.

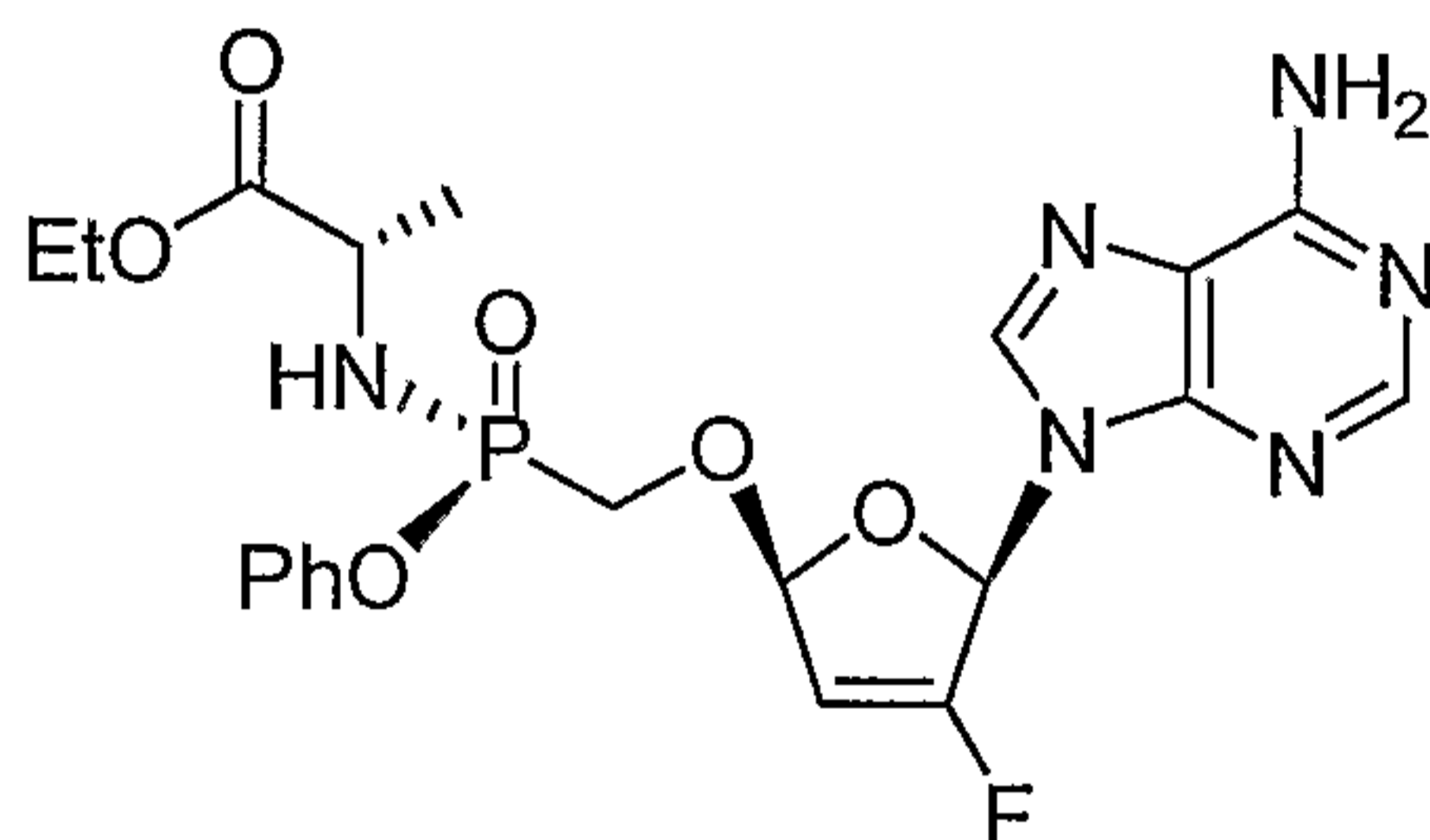
#### Example of Monoamidate Preparation (11)



Compound **8** (1.5g, 4 mmol) was mixed with ethyl alanine ester HCl salt (1.23g, 8 mmol) and phenol (1.88 g, 20 mmol). Anhydrous pyridine (35 mL) was added followed by TEA (6.7 mL, 48 mmol). The mixture was stirred at 60 °C under nitrogen for 15-20 min. 2'-Aldrithiol (7.3 g) was mixed in a separate flask with triphenylphosphine (6.2 g) in anhydrous pyridine (5 mL) and the resultant mixture was stirred for 10-15 min to give a clear light yellow solution. The solution was then added to the above mixture and stirred overnight at 60 °C. The mixture was concentrated under reduced pressure to remove pyridine. The resultant residue was dissolved in ethyl acetate and washed with saturated sodium bicarbonate solution (2x) and then with saturated sodium chloride solution. The organic layer was dried over



sodium sulfate, filtered and then concentrated under reduced pressure. The resultant oil was dissolved in dichloromethane and loaded onto a dry CombiFlash column, 40g, eluting with a linear gradient of 0-5% methanol in dichloromethane over 10 min and then 5% methanol in dichloromethane for 7-10 min. Fractions containing the desired product were combined and concentrated under reduced pressure to give a foam. The foam was dissolved in acetonitrile and purified by prep HPLC to give **11** (0.95 g). Dissolved **11** (950 mg) in small amount of acetonitrile and let stand at room temperature overnight. Collected solid by filtration and washed with small amount of acetonitrile. Solid was GS-327625. Filtrate was reduced under vacuum and then loaded onto Chiralpak AS-H column equilibrated in Buffer A, 2% ethanol in acetonitrile. Isomer A, **12**, was eluted out with Buffer A at 10mL/min for 17mins. After which Buffer 13, 50% methanol in acetonitrile, was used to elute isomer **13** out from the column in 8mins. Removed all solvent and then re-dissolved in acetonitrile and water. Freeze-dried the samples (Mass – 348 mg).



15

### Example 11b

1H NMR (CDCl<sub>3</sub>) • 8.39 (s, 1H) • 8.12 (s, 1H) • 6.82 (m, 1H) • 5.96-5.81 (m, 4H) • 4.03-3.79 (m, 10H) • 3.49 (s, 1H) • 3.2 (m, 2H) • 1.96-1.69 (m, 10H) • 1.26 (m, 4H) • 0.91 (m, 12H) 31P NMR (CDCl<sub>3</sub>) 20.37 (s, 1P) MS (M+1) 614

### Example 12b

1H NMR (CDCl<sub>3</sub>) • 8.39 (s, 1H) • 8.13 (s, 1H) • 7.27-7.11 (m, 5H) • 6.82 (s, 1H) • 5.97-5.77 (m, 4H) • 4.14-3.79 (m, 6H) • 3.64 (t, 1 H) • 2.00-1.88 (bm, 4H) • 1.31 (dd, 3H) • 0.91 (m, 6H). 31P NMR (CDCl<sub>3</sub>) • 20.12 (s, 0.5P) • 19.76 (s, 0.5P) MS (M+1) 535

30

Example 100

$^1\text{H}$  NMR ( $\text{CDCl}_3$ ): • 8.39 (s, 1H), 8.13 (s, 1H), 6.81 (m 1H), 5.95 (m, 1H), 5.81(s, 1H), 4.98 (m, 2H), 3.90 (m, 2H), 3.37 (m, 1H), 3.19 (m, 1H), 1.71 (m, 4H), 1.25 (m, 12H), 0.90 (m, 6H)

Mass Spectrum ( $m/e$ ):  $(\text{M}+\text{H})^+$  586.3

Example 14

<sup>1</sup>H NMR (CDCl<sub>3</sub>): • 8.38 (s, 1H), 8.12 (s, 1H), 6.80 (m 1H), 5.93 (m, 1H), 5.79 (s, 1H), 4.02 (m, 6H), 3.42 (m, 1H), 3.21 (m, 1H), 1.65 (m, 4H), 1.35 (m, 8H), 0.92 (m, 12H)

Mass Spectrum (*m/e*): (M+H)<sup>+</sup> 614.3

Example 15

<sup>1</sup>H NMR (CDCl<sub>3</sub>): • 8.38 (s, 1H), 8.12 (s, 1H), 6.80 (m 1H), 5.93 (m, 2H), 5.80 (s, 1H), 3.91 (m, 6H), 3.42 (m, 1H), 3.30 (m, 1H), 1.91 (m, 2H), 1.40 (m, 6H), 0.90 (m, 12H)

Mass Spectrum (*m/e*): (M+H)<sup>+</sup> 586.3

Example 16

<sup>1</sup>H NMR (CDCl<sub>3</sub>): • 8.37 (s, 1H), 8.17 (s, 1H), 6.80 (m 1H), 6.18 (s, 1H), 5.93 (m, 1H), 5.79 (s, 1H), 4.02 (m, 6H), 3.46 (m, 1H), 3.37 (m, 1H), 1.61 (m, 4H), 1.32 (m, 10H), 0.92 (m, 6H)

Mass Spectrum (*m/e*): (M+H)<sup>+</sup> 614.3

20

Example 17

<sup>1</sup>H NMR (CD<sub>3</sub>OD): • 8.29 (s, 1H), 8.25 (s, 1H), 6.84 (m 1H), 6.00 (s, 1H), 5.96 (m, 1H), 4.04 (m, 8H), 1.66 (m, 4H), 1.38 (m, 6H), 0.98 (m, 6H)

Mass Spectrum (*m/e*): (M+H)<sup>+</sup> 558.3

25

Example 18

<sup>1</sup>H NMR (CD<sub>3</sub>OD): • 8.29 (s, 1H), 8.25 (s, 1H), 6.84 (m 1H), 5.99 (s, 1H), 5.96 (m, 1H), 4.04 (m, 8H), 1.67 (m, 4H), 1.23 (m, 6H), 0.95 (m, 6H)

Mass Spectrum (*m/e*): (M+H)<sup>+</sup> 558.3

30

Example 19

<sup>1</sup>H NMR (CD<sub>3</sub>OD): • 8.27 (s, 1H), 8.20 (s, 1H), 6.84 (m, 1H), 5.99 (s, 1H), 5.96 (m, 1H), 4.03 (m, 8H), 1.66 (m, 8H), 0.93 (m, 12H)

Mass Spectrum (*m/e*): (M+H)<sup>+</sup> 586.3

5 Example 20

<sup>1</sup>H NMR (CD<sub>3</sub>OD): • 8.25 (s, 1H), 8.17 (s, 1H), 7.21 (m, 10H), 6.80 (m, 1H), 5.91 (s, 1H), 5.72 (m, 1H), 4.04 (m, 6H), 3.50 (m, 2H), 2.90 (m, 4H), 1.47 (m, 8H), 0.92 (m, 6H)

Mass Spectrum (*m/e*): (M+H)<sup>+</sup> 738.4

10

Example 21

<sup>1</sup>H NMR (CD<sub>3</sub>OD): • 8.24 (s, 2H), 7.33 (m, 10H), 6.81 (m, 1H), 5.88 (s, 1H), 5.84 (m, 1H), 5.12 (m, 4H), 3.94 (m, 4H), 1.35 (m, 6H)

Mass Spectrum (*m/e*): (M+H)<sup>+</sup> 654.3

15

Example 22

<sup>1</sup>H NMR (CDCl<sub>3</sub>) • 8.38 (d, 1H) • 8.12 (d, 1H) • 7.31-7.10 (m, 5H) • 6.81 (m, 1H) • 5.98-5.75 (m, 4H) • 4.23-3.92 (M, 7H) • 3.65 (m, 1H) • 1.63 (m, 3H) • 1.26 (m, 4H) • 1.05-0.78 (m, 3H) 31P NMR • 21.01 (s, 0.6P) • 20.12 (s, 0.4P) MS (M+1) 521

20

Example 23

<sup>1</sup>H NMR (CDCl<sub>3</sub>) • 8.40 (d, 1H) • 8.13 (d, 1H) • 7.30-7.10 (m, 5H) • 6.82 (m, 1H) • 5.99-5.77 (m, 3H) • 4.22-3.92 (m, 6H) • 3.61 (m, 1H) • 1.65 (m, 4H) • 1.26-0.71 (m, 6H) 31P NMR (CDCl<sub>3</sub>) • 20.99 (s, 0.6P) • 20.08 (s, 0.4P) MS (M+1) 535

25

Example 24

<sup>1</sup>H NMR (CDCl<sub>3</sub>) • 8.39 (d, 1H) • 8.08 (d, 1H) • 7.28-6.74 (m, 10H) • 5.90 (m, 4H) • 4.37 (m, 1H) • 4.05 (m, 5H) • 3.56 (m, 2H) • 2.99 (m, 2H) • 1.55 (m, 2H) • 1.22 (m, 3H) • 0.88 (m, 3H) 31P NMR (CDCl<sub>3</sub>) • 20.95 (s, 0.5P) • 20.01 (s, 0.5P) MS (M+1) 611

30

Example 25

5  $^1\text{H}$  NMR ( $\text{CDCl}_3$ ) • 8.38 (d, 1H) • 8.11 (s, 1H) • 7.31-7.11 (m, 5H) • 6.82 (s, 1H) • 5.96-5.76 (m, 4H) • 4.22-3.63 (m, 6H) • 2.17 (bm, 2H) • 1.65 (m, 2H) 1.30 (m, 4H) • 0.88 (m, 3H).  $^{31}\text{P}$  NMR ( $\text{CDCl}_3$ ) • 20.75 (s, 0.5P) • 19.82 (s, 0.5P) MS (M+1) 521

10 Example 26

$^1\text{H}$  NMR ( $\text{CDCl}_3$ ) • 8.40 (d, 1H) • 8.09 (d, 1H) • 7.27-6.74 (m, 10H) • 5.93-5.30 (m, 4H) • 4.39 (m, 1H) • 4.14-3.77 (m, 4H) • 3.58 (m, 2H) • 2.95 (m, 2H) • 1.90 (m, 3H) • 1.26 (m, 1H) • 0.85 (m, 6H).  $^{31}\text{P}$  NMR ( $\text{CDCl}_3$ ) • 20.97 (s, 0.5P) • 20.04 (s, 0.5P) MS (M+1) 611

15

Example 27

$^1\text{H}$  NMR ( $\text{CD}_3\text{OD}$ ): 8.31 (s, 1H), 8.25 (s, 1H), 6.84 (m 1H), 6.02 (s, 1H), 5.98 (m, 1H), 4.98 (m, 2H), 4.01 (m, 2H), 3.66 (m, 4H), 1.23 (m, 12H)  
Mass Spectrum (m/e): (M+H)+ 530.2

20

Example 28

$^1\text{H}$  NMR ( $\text{CD}_3\text{OD}$ ): 8.31 (s, 1H), 8.25 (s, 1H), 6.84 (m 1H), 6.01 (s, 1H), 5.98 (m, 1H), 4.03 (m, 2H), 3.86 (m, 4H), 3.68 (m, 4H), 1.92 (m, 2H), 0.93 (m, 12H)  
Mass Spectrum (m/e): (M+H)+ 558.3

25

Example 29

$^1\text{H}$  NMR ( $\text{CD}_3\text{OD}$ ): 8.29 (s, 1H), 8.25 (s, 1H), 6.84 (m 1H), 5.99 (s, 1H), 5.97 (m, 1H), 4.01 (m, 8H), 1.66 (m, 8H), 1.32 (m, 8H), 0.96 (m, 12H)  
Mass Spectrum (m/e): (M+H)+ 642.4

30

Example 30

<sup>1</sup>H NMR (CD<sub>3</sub>OD): 8.25 (s, 1H), 8.10 (s, 1H), 7.24 (m, 10H), 6.80 (m, 1H), 5.90 (s, 1H), 5.71 (m, 1H), 5.25 (m, 4H), 4.57 (m, 2H), 4.51 (m, 2H), 4.05 (m, 2H), 3.46 (m, 2H), 2.92 (m, 6H)

Mass Spectrum (m/e): (M+H)<sup>+</sup> 706.4

5

#### Example 31

<sup>1</sup>H NMR (CD<sub>3</sub>OD): 8.32 (s, 1H), 8.25 (s, 1H), 6.84 (m, 1H), 6.00 (s, 1H), 5.97 (m, 1H), 3.93 (m, 4H), 3.71 (s, 3H), 3.60 (s, 3H), 1.51 (m, 26H)

Mass Spectrum (m/e): (M+H)<sup>+</sup> 666.5

10

#### Example 32

<sup>1</sup>H NMR (CDCl<sub>3</sub>) • 8.39 (s, 1H) • 8.17 (d, 1H) • 7.32-6.82 (m, 5H) • 6.82 (s, 1H) • 5.98-5.81 (m, 3H) • 4.27-3.64 (m, 6H) • 1.94 (m, 1H) • 0.90 (m, 6H). 31P NMR (CDCl<sub>3</sub>) • 21.50 (s, 0.5P) • 21.37 (s, 0.5P) MS (M+1) 521

15

#### Example 33

<sup>1</sup>H NMR (CDCl<sub>3</sub>) • 8.39 (s, 1H) • 8.13 (s, 1H) • 7.27 – 7.14 (m, 5H) • 6.85 (s, 1H) • 5.97-5.77 (m, 4H) • 4.186-4.05 (m, 7H) • 1.60 (m, 3H) • 1.29 (m, 7H) • 0.90 (m, 3H) 31P NMR (CDCl<sub>3</sub>) 20.69 (s, 0.6P) • 19.77 (s, 0.4P) MS (M+1) 549

20

#### Example 34

<sup>1</sup>H NMR (CDCl<sub>3</sub>) • 8.39 (d, 1H) • 8.07 (d, 1H) • 7.27 – 6.74 (m, 10H) • 5.91 (m, 2H) • 5.69 (m, 2H) • 5.27 (m, 2H) • 4.55 (m, 2H) • 4.30 (m, 1H) • 3.69 (m, 1H) • 2.95 (m, 1H) • 5.05 (m, 2H) 31P NMR (CDCl<sub>3</sub>) • 20.94 (s, 0.5P) • 19.94 (s, 0.5P) MS (M+1) 595

25

#### Example 35

<sup>1</sup>H NMR (CDCl<sub>3</sub>) • 8.39 (d, 1H) • 8.11 (d, 1H) • 7.28 – 7.10 (m, 5H) • 6.82 (s, 1H) • 5.98 – 5.76 (m, 3H) • 4.18 – 3.56 (m, 4H) • 3.59 (m, 1H) • 1.74 – 0.70 (m, 12H). 31P NMR (CDCl<sub>3</sub>) • 21.00 (s, 0.6P) • 20.09 (s, 0.4P). MS (M + 1) 549

30

Example 36

5  $^1\text{H}$  NMR ( $\text{CDCl}_3$ ) • 8.39 (d, 1 H) • 8.12 (d, 1 H) • 7.29 (m, 2 H) • 7.15 (m, 3 H)  
• 6.82 (s, 1 H) • 5.94 (dd, 1 H) • 5.80 (s, 3 H) • 5.02 (m, 1 H) • 4.23 – 3.58 (m, 6  
H) • 2.18 (s, 3 H) • 1.23 (m, 6 H).  $^{31}\text{P}$  NMR ( $\text{CDCl}_3$ ) • 21.54 (s, 0.5 P) • 21.43  
(s, 0.5 P). MS (M + 1) 507

10 Example 37

$^1\text{H}$  NMR ( $\text{CD}_3\text{OD}$ ): 8.30 (s, 1H), 8.25 (s, 1H), 6.84 (m 1H), 6.00 (s, 1H), 5.95  
(m, 1H), 4.06 (m, 8H), 1.31 (m, 12H)  
Mass Spectrum (m/e): (M+H)+ 530.3

15 Example 38

$^1\text{H}$  NMR ( $\text{CD}_3\text{OD}$ ): 8.25 (s, 1H), 8.16 (s, 1H), 7.24 (m, 10H), 6.84 (m 1H), 5.91  
(s, 1H), 5.75 (m, 1H), 4.08 (m, 6H), 3.60 (m, 2H), 2.90 (m, 4H), 1.21 (m, 6H)  
Mass Spectrum (m/e): (M+H)+ 682.4

20 Example 39

$^1\text{H}$  NMR ( $\text{CD}_3\text{OD}$ ): 8.25 (s, 1H), 8.16 (s, 1H), 7.22 (m, 10H), 6.81 (m 1H), 5.90  
(s, 1H), 5.72 (m, 1H), 4.02 (m, 6H), 3.63 (m, 2H), 2.90 (m, 4H), 1.58(m, 4H),  
0.87(m, 6H)  
Mass Spectrum (m/e): (M+H)+ 710.4

25

Example 40

$^1\text{H}$  NMR ( $\text{CD}_3\text{OD}$ ): 8.25 (m, 2H), 7.22 (m, 8H), 6.95 (m, 1H), 6.82 (m 1H), 5.90  
(m, 2H), 5.72 (m, 1H), 3.95 (m, 4H), 3.63 (m, 1H), 3.07 (m, 1H), 2.81 (m, 1H),  
1.55 (m, 2H), 0.86 (m, 3H)

30 Mass Spectrum (m/e): (M+H)+ 597.4

Example 41

5  $^1\text{H}$  NMR (CD<sub>3</sub>OD): 8.25 (m, 2H), 7.20 (m, 9H), 6.96 (m, 1H), 6.81 (m, 1H), 5.97 (m, 2H), 5.73 (m, 1H), 4.05 (m, 2H), 3.60 (m, 1H), 3.02 (m, 1H), 2.81 (m, 1H), 1.13 (m, 6H)

Mass Spectrum (m/e): (M+H)<sup>+</sup> 597.5

10 Example 42

$^1\text{H}$  NMR (CD<sub>3</sub>OD): 8.25 (m, 2H), 7.33 (m, 10H), 6.83 (m, 1H), 5.92 (m, 2H), 5.15 (m, 2H), 4.25 (m, 4H), 3.20 (m, 1H), 1.90 (m, 4H)

Mass Spectrum (m/e): (M+H)<sup>+</sup> 595.6

15 Example 43

$^1\text{H}$  NMR (CD<sub>3</sub>OD): 8.25 (m, 2H), 7.15 (m, 5H), 6.83 (m, 1H), 5.98 (m, 2H), 4.10 (m, 5H), 2.50 (m, 4H), 2.01 (m, 3H), 1.22 (m, 3H)

Mass Spectrum (m/e): (M+H)<sup>+</sup> 567.3

20 Example 44

$^1\text{H}$  NMR (CD<sub>3</sub>OD): 8.25 (m, 2H), 7.15 (m, 5H), 6.83 (m, 1H), 5.98 (m, 2H), 4.10 (m, 5H), 2.57 (m, 1H), 1.80 (m, 6H), 1.25 (m, 3H)

Mass Spectrum (m/e): (M+H)<sup>+</sup> 547.7

25 Example 45

$^1\text{H}$  NMR (CD<sub>3</sub>OD): 8.25 (m, 2H), 7.17 (m, 5H), 6.85 (m, 1H), 5.99 (m, 2H), 4.66 (m, 1H), 4.12 (m, 3H), 1.56 (m, 4H), 1.28 (m, 3H), 0.88 (m, 6H)

Mass Spectrum (m/e): (M+H)<sup>+</sup> 549.3

30 Example 46



<sup>1</sup>H NMR (CD<sub>3</sub>OD): 8.25 (m, 2H), 7.15 (m, 10H), 6.83 (m, 1H), 5.99 (m, 2H), 5.72 (m, 1H), 4.10 (m, 4H), 3.65 (m, 1H), 3.02 (m, 1H), 2.79 (m, 1H), 2.50 (m, 1H), 1.89 (m, 6H)

Mass Spectrum (m/e): (M+H)<sup>+</sup> 623.4

5

#### Example 47

<sup>1</sup>H NMR (CD<sub>3</sub>OD): 8.25 (m, 2H), 7.15 (m, 10H), 6.82 (m, 1H), 5.99 (m, 2H), 5.73 (m, 1H), 3.99 (m, 4H), 3.65 (m, 1H), 3.05 (m, 1H), 2.85 (m, 1H), 1.02 (m, 1H), 0.51 (m, 2H), 0.20 (m, 2H)

10 Mass Spectrum (m/e): (M+H)<sup>+</sup> 609.3

#### Example 48

<sup>1</sup>H NMR (CD<sub>3</sub>OD): 8.25 (m, 2H), 7.20 (m, 9H), 6.96 (m, 1H), 6.81 (m, 1H), 5.97 (m, 2H), 5.73 (m, 1H), 4.71 (m, 1H), 4.05 (m, 2H), 3.60 (m, 1H), 3.02 (m, 1H), 2.81 (m, 1H), 1.49 (m, 2H), 1.07 (m, 3H), 0.82 (m, 3H)

15

Mass Spectrum (m/e): (M+H)<sup>+</sup> 611.2

#### Example 49

<sup>1</sup>H NMR (CD<sub>3</sub>OD): 8.20 (m, 2H), 7.25 (m, 6H), 6.82 (m, 1H), 5.95 (m, 2H), 5.68 (m, 1H), 3.93 (m, 6H), 3.50 (m, 1H), 3.20 (m, 1H), 2.81 (m, 1H), 1.90 (m, 1H), 0.95 (m, 6H)

20

Mass Spectrum (m/e): (M+H)<sup>+</sup> 617.3

#### Example 50

<sup>1</sup>H NMR (CD<sub>3</sub>OD): 8.23 (m, 2H), 7.18 (m, 10H), 6.96 (m, 1H), 6.81 (m, 1H), 5.94 (m, 2H), 5.72 (m, 1H), 4.81 (m, 1H), 4.05 (m, 2H), 3.60 (m, 1H), 3.02 (m, 1H), 2.81 (m, 1H), 2.25 (m, 2H), 1.81 (m, 4H)

25

Mass Spectrum (m/e): (M+H)<sup>+</sup> 609.3

#### 30 Example 51

<sup>1</sup>H NMR (CD<sub>3</sub>OD): • 8.25 (m, 1H), 7.20 (m, 9H), 6.96 (m, 1H), 6.81 (m, 1H), 5.97 (m, 2H), 5.73 (m, 1H), 4.71 (m, 1H), 4.05 (m, 2H), 3.60 (m, 1H), 3.02 (m, 1H), 2.81 (m, 1H), 1.49 (m, 2H) 1.07 (m, 3H), 0.82 (m, 3H)

Mass Spectrum (m/e): (M+H)<sup>+</sup> 611.4

5

#### Example 52

<sup>1</sup>H NMR (CD<sub>3</sub>OD): • 8.29 (m, 1H), 8.25 (m, 1H), 7.20 (m, 5H), 6.85 (m, 1H),  
10 5.97 (m, 2H), 4.85 (m, 1H), 4.15 (m, 2H), 3.95 (m, 1H), 2.28 (m, 2H), 1.99 (m, 2H), 1.77 (m, 2H) 1.26 (m, 3H)

Mass Spectrum (m/e): (M+H)<sup>+</sup> 533.3

#### Example 53

15 <sup>1</sup>H NMR (CD<sub>3</sub>OD): • 8.29 (m, 1H), 8.25 (m, 1H), 7.20 (m, 5H), 6.85 (m, 1H), 5.98 (m, 2H), 5.18 (m, 1H), 4.03 (m, 7H), 2.15 (m, 1H), 1.95 (m, 1H), 1.26 (m, 3H)

Mass Spectrum (m/e): (M+H)<sup>+</sup> 549.2

#### 20 Example 54

<sup>1</sup>H NMR (CD<sub>3</sub>OD): • 8.24 (m, 2H), 6.85 (m, 1H), 6.01 (m, 2H), 4.43 (m, 2H), 4.09 (m, 5H), 1.38 (m, 3H) 1.23 (m, 3H)

Mass Spectrum (m/e): (M+H)<sup>+</sup> 513.2

#### Example 55

25 <sup>1</sup>H NMR for mixture of diastereomers at phosphorus (300 MHz, CD<sub>3</sub>OD ref. solv. resid. 3.30 ppm): • •(ppm) = 8.22-8.27 (m, 2H), 7.09-7.34 (m, 5H), 6.84 (br s, 1H), 5.93-6.02 (m, 2H), 5.00-5.14 (m, 1H), 4.01-4.26 (m, 2H) 3.89-3.94 (m, 1H), 1.50-1.88 (m, 8H), 1.23, (br t, 3H, J = 6.8). <sup>31</sup>P NMR for mixture of  
30 diastereomers at phosphorus(121 MHz, <sup>1</sup>H decoupled): • •(ppm) = 23.56, 22.27 (~60:40 ratio).

5

Example 102

By way of example and not limitation, embodiments of the invention are named below in tabular format (Table Y). These embodiments are of the general formula "MBF3"

10

MBF3: Sc.K1.K2

Each embodiment of MBF3, is depicted as a substituted nucleus (Sc). Sc is described in Table 1.1 below. Sc is also described by any formula presented herein that bears at least one K1 or K2 wherein each is a point of covalent attachment to Sc. For those embodiments described in Table Y, Sc is a nucleus designated by a number and each substituent is designated in order by number. Table 1.1 are a schedule of nuclei used in forming the embodiments of Table Y. Each nucleus (Sc) is given a number designation from Table 1.1 and this designation appears first in each embodiment name as numbers 1 to 2. Similarly, Tables 20.1 to 20.37 list the selected substituent groups by number designation, and are understood to be attached to Sc at K1 or K2 as listed. It is understood that K1 and K2 do not represent atoms, but only points of connection to the parent scaffold Sc. Accordingly, a compound of the formula MBF3 includes compounds having Sc groups based on compounds according to Table Y below. In all cases the compounds of the formula MBF3 have groups K1 and K2 on nucleus Sc, and the corresponding groups K1 and K2 are listed, as set forth in the Tables below.

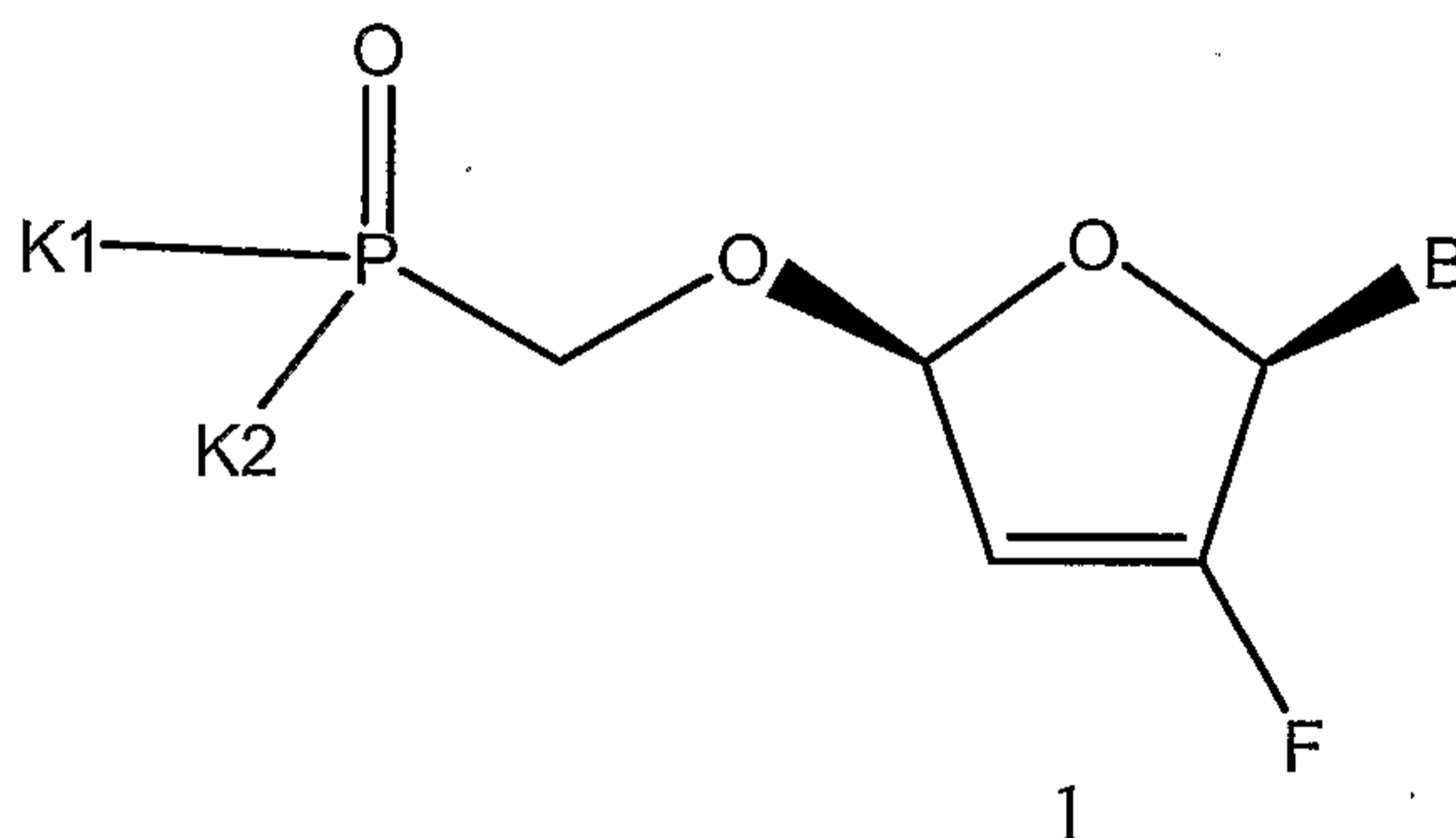
Accordingly, each named embodiment of Table Y is depicted by a number designating the nucleus from Table 1.1, followed by a number designating each substituent group K1, followed by the designation of substituent K2, as incorporated from Tables 20.1 to 20.37. In graphical tabular form, each embodiment of Table Y

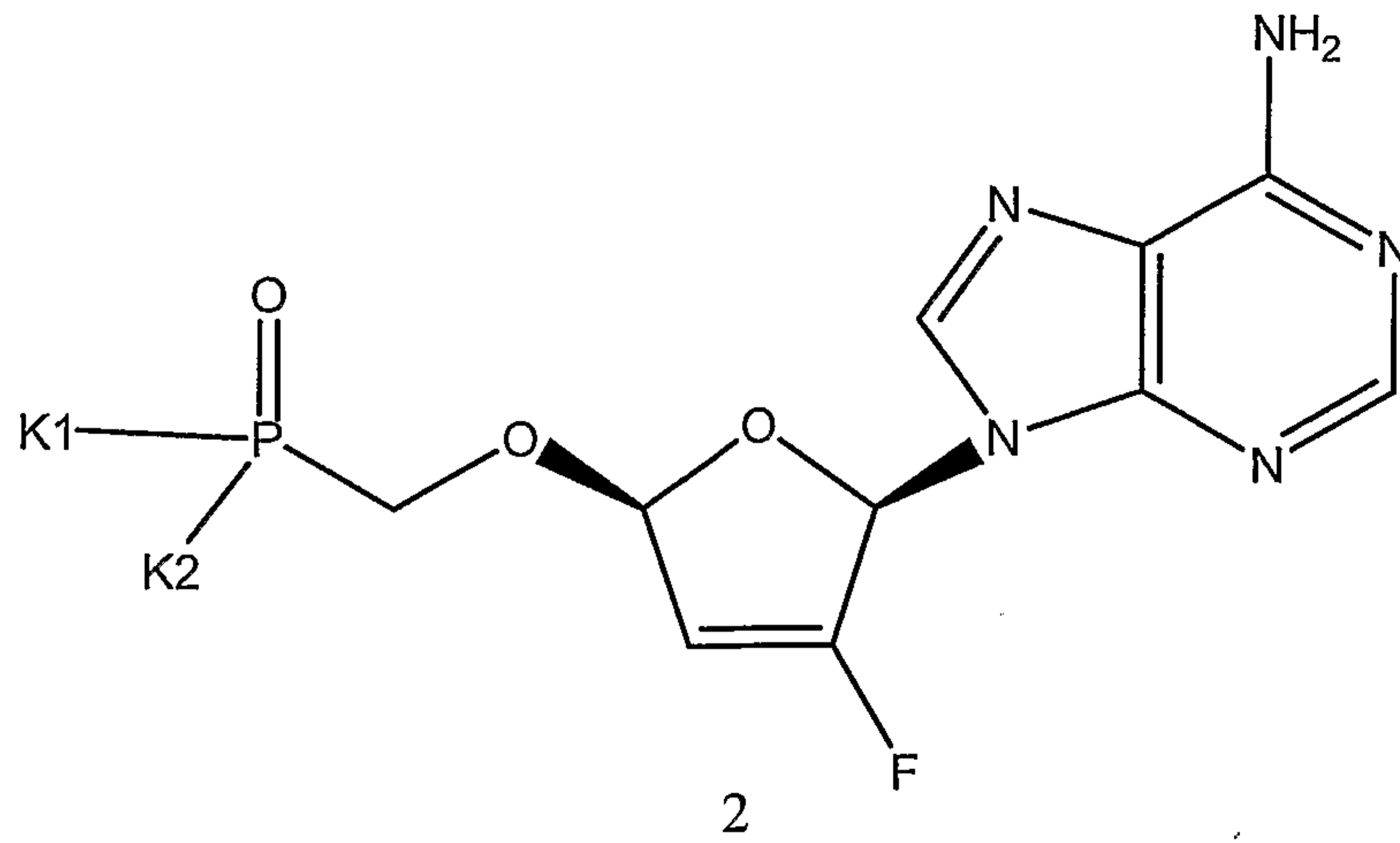
appears as a name having the syntax.

### Sc.K1.K2

5 Each Sc group is shown having various substituents K1 or K2. Each group K1 and K2 as listed in Table Y, is a substituent, as listed, of the Sc nucleus listed in Table Y. K1 and K2, it should be understood, do not represent groups or atoms but are simply connectivity designations. The site of the covalent bond to the nucleus (Sc) is designated as K1 and K2 of formula MBF3. Embodiments of K1 and K2 in Tables  
10 20.1 to 20.37 are designated as numbers 1 to 247. For example there are 2 Sc entries in Table 1.1 and these entries for Sc are numbered 1 to 2. Each is designated as the Sc identifier (ie. 1 to 2). In any event, entries of Tables 20.1 to 20.37 always begin with a number, and are independently selected from Tables 20.1 to 20.37 and are each thus independently designated as numbers 1 to 247. Selection of the point of  
15 attachment is described herein. By way of example and not limitation, the point of attachment is selected from those depicted in the schemes and examples.

Table 1.1





5

10

15 Table 20.1

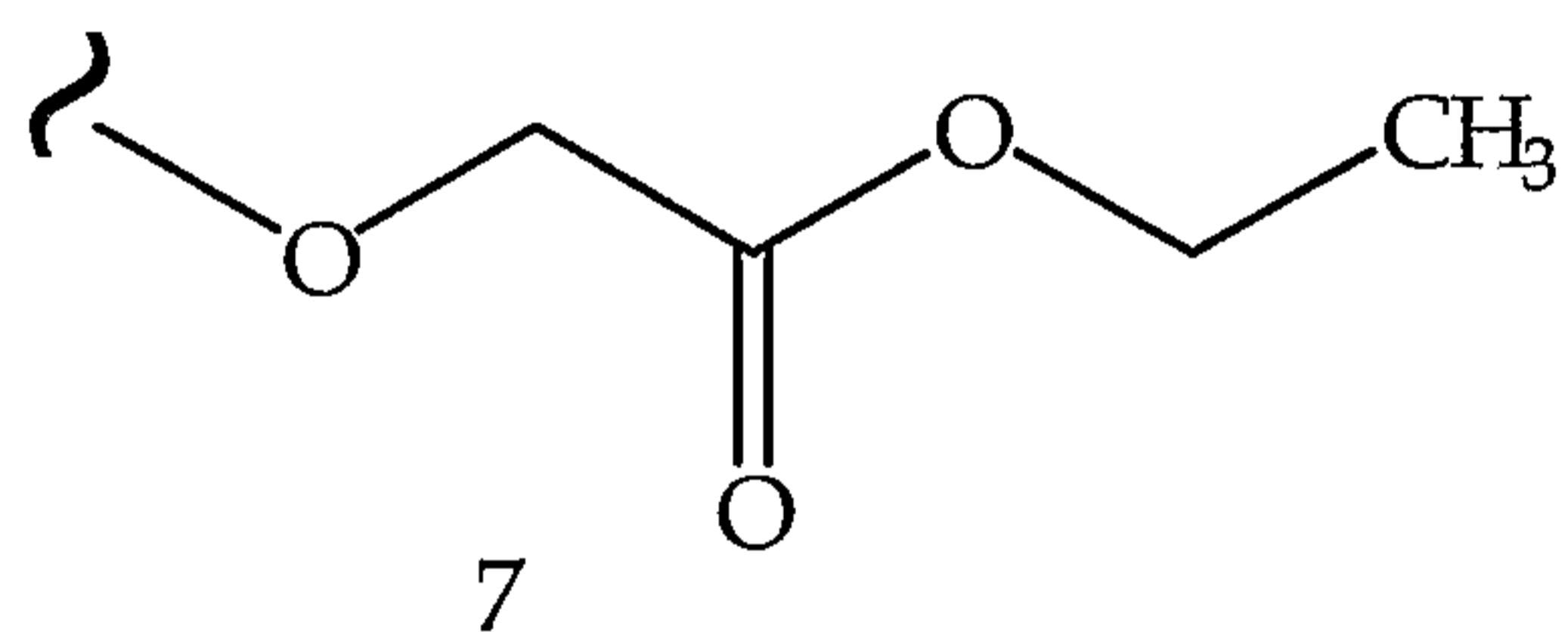
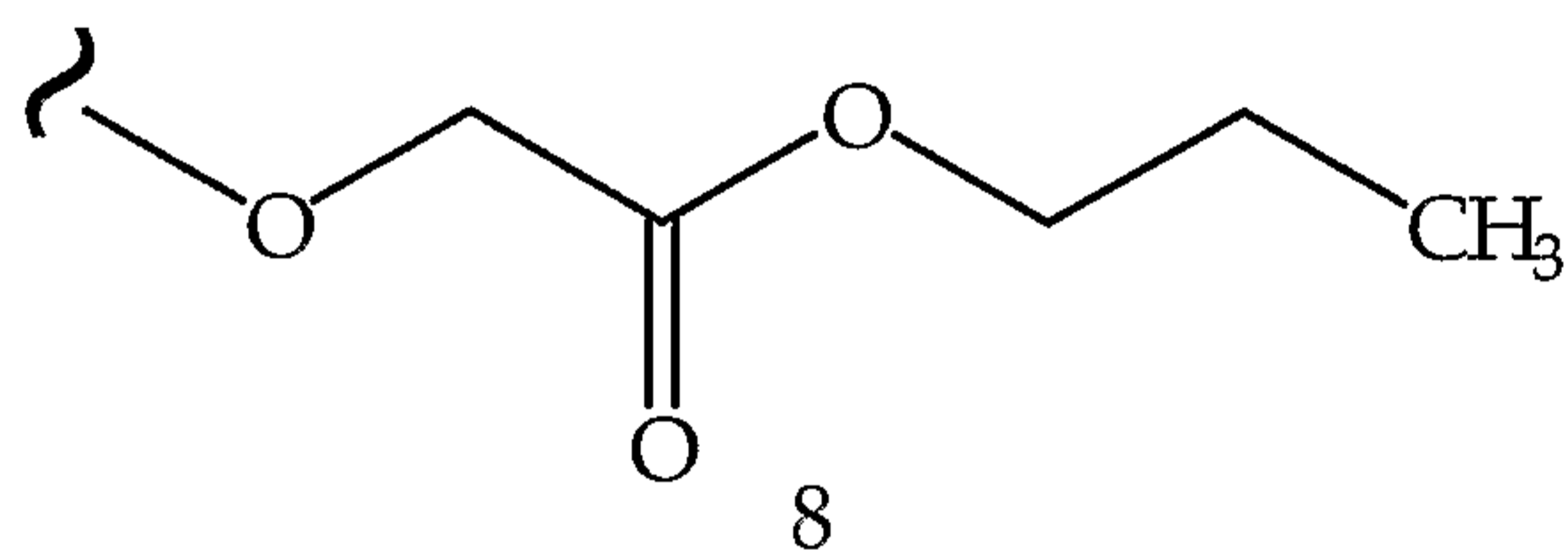
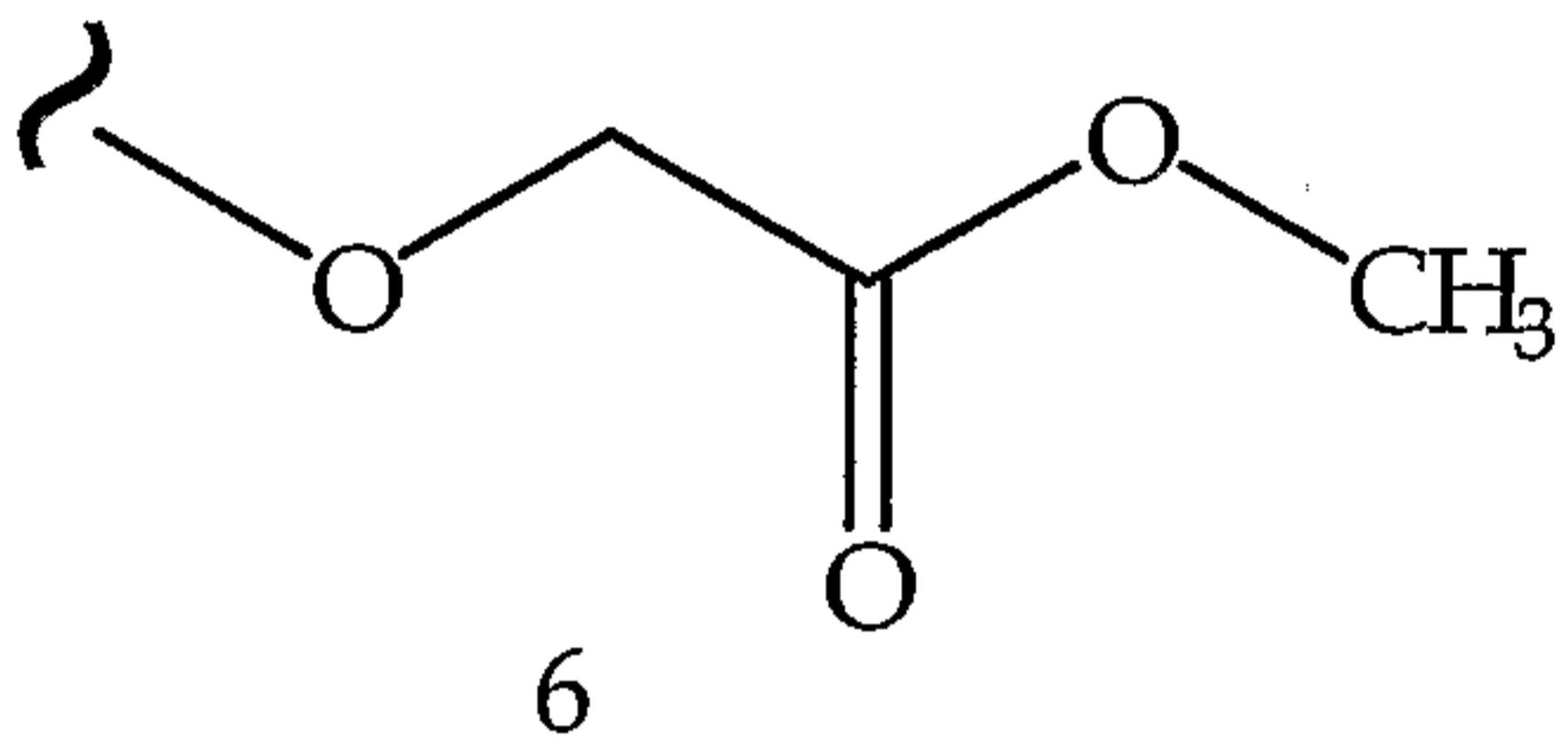
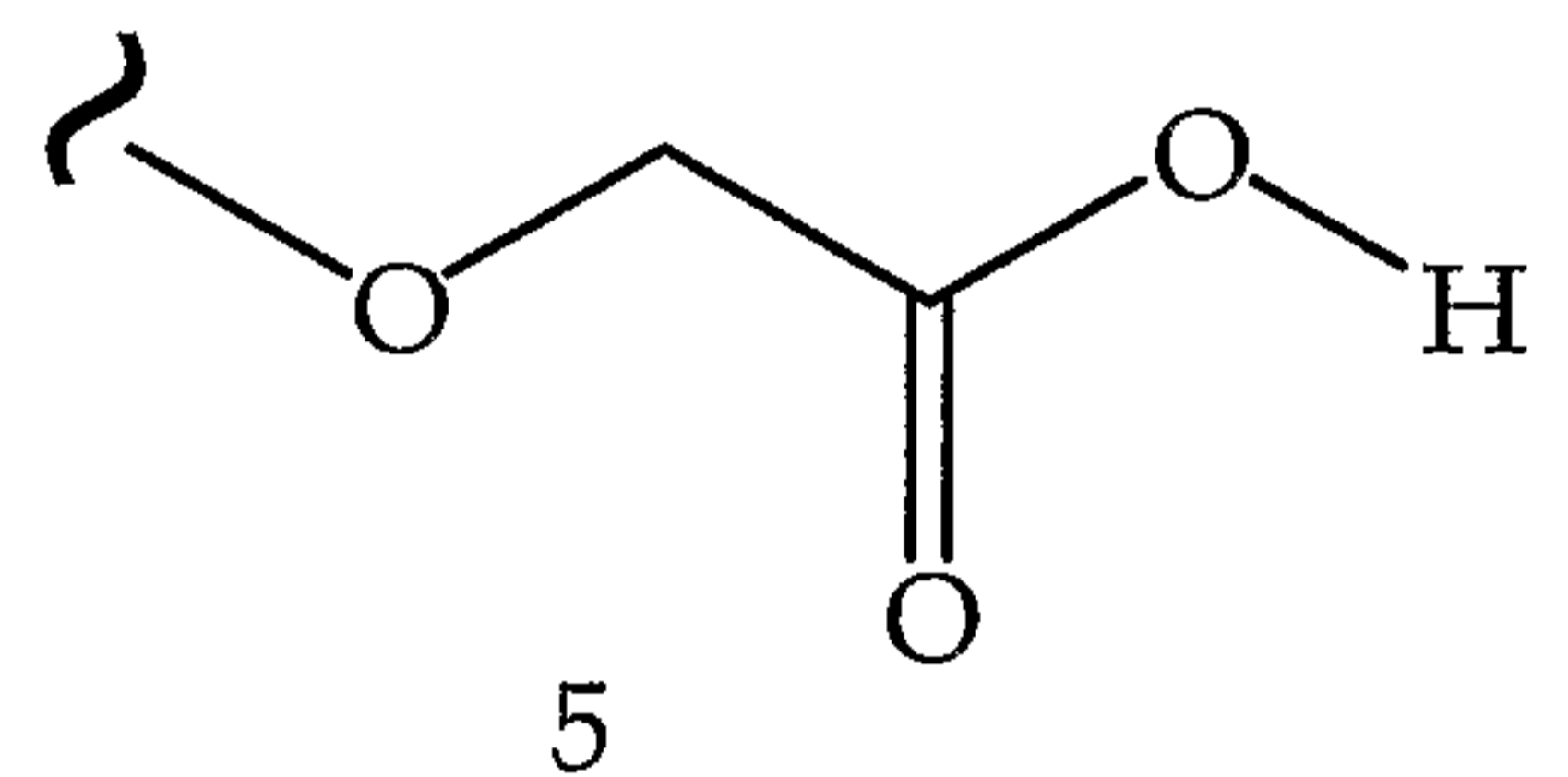
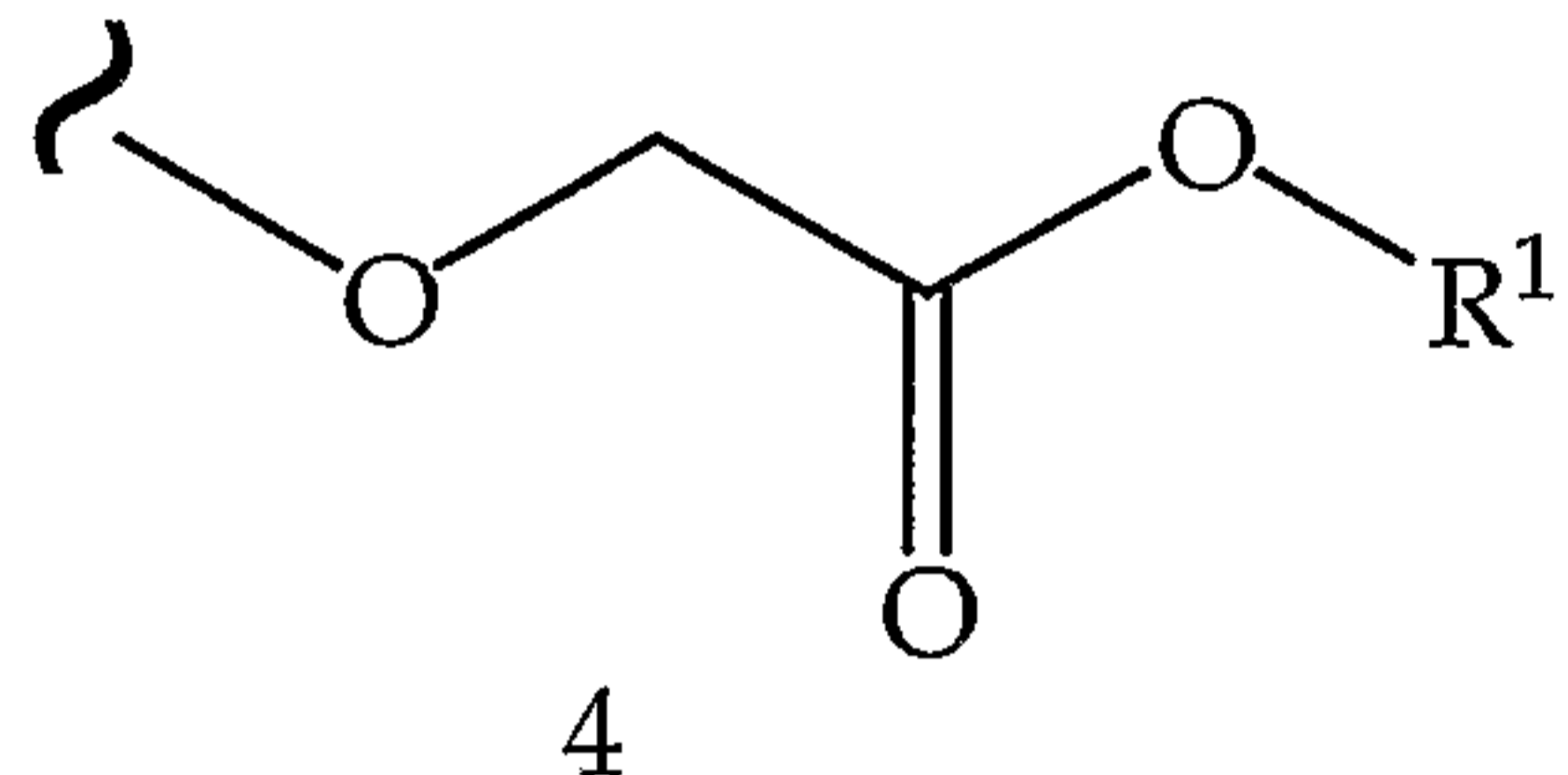
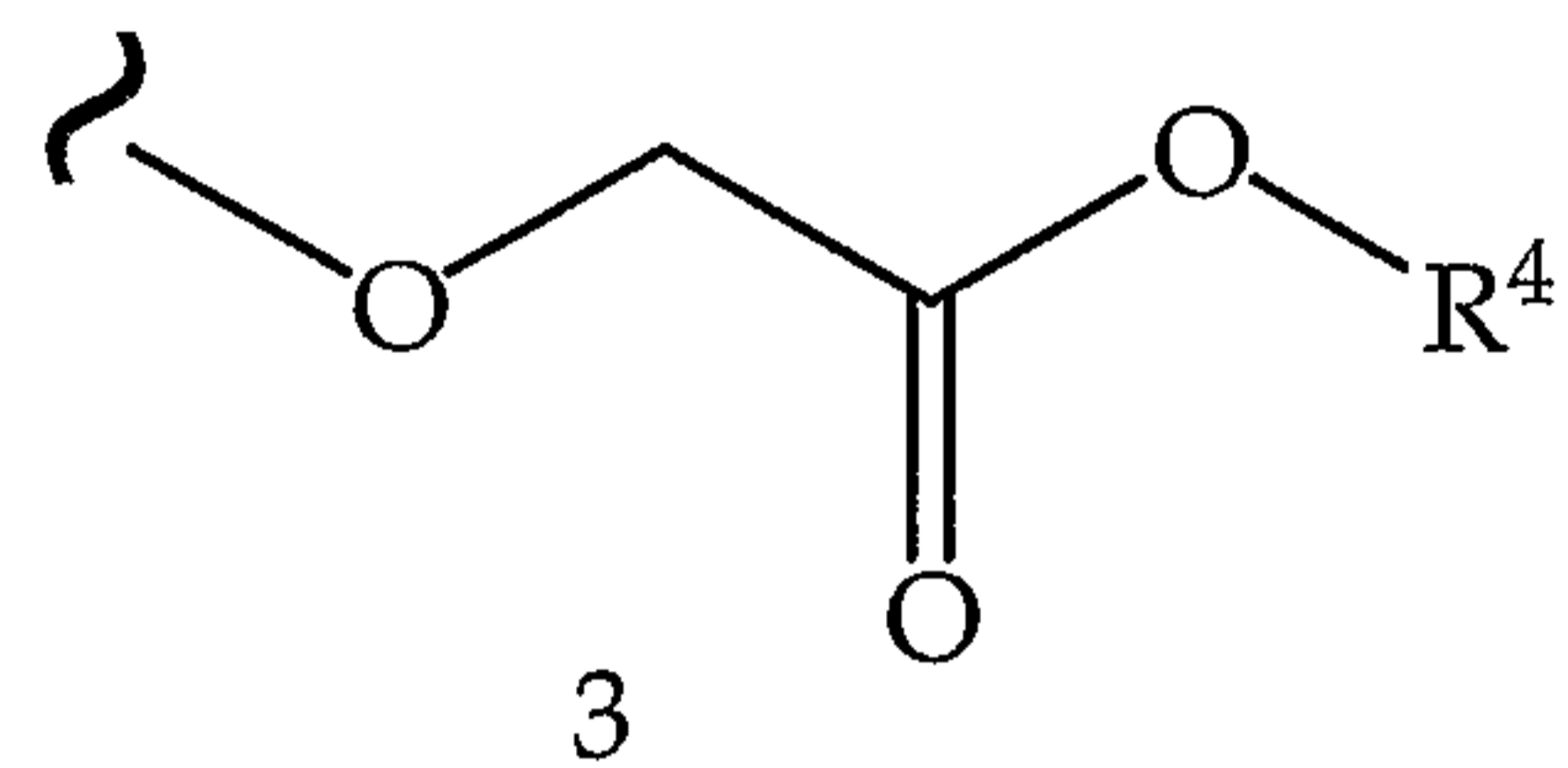
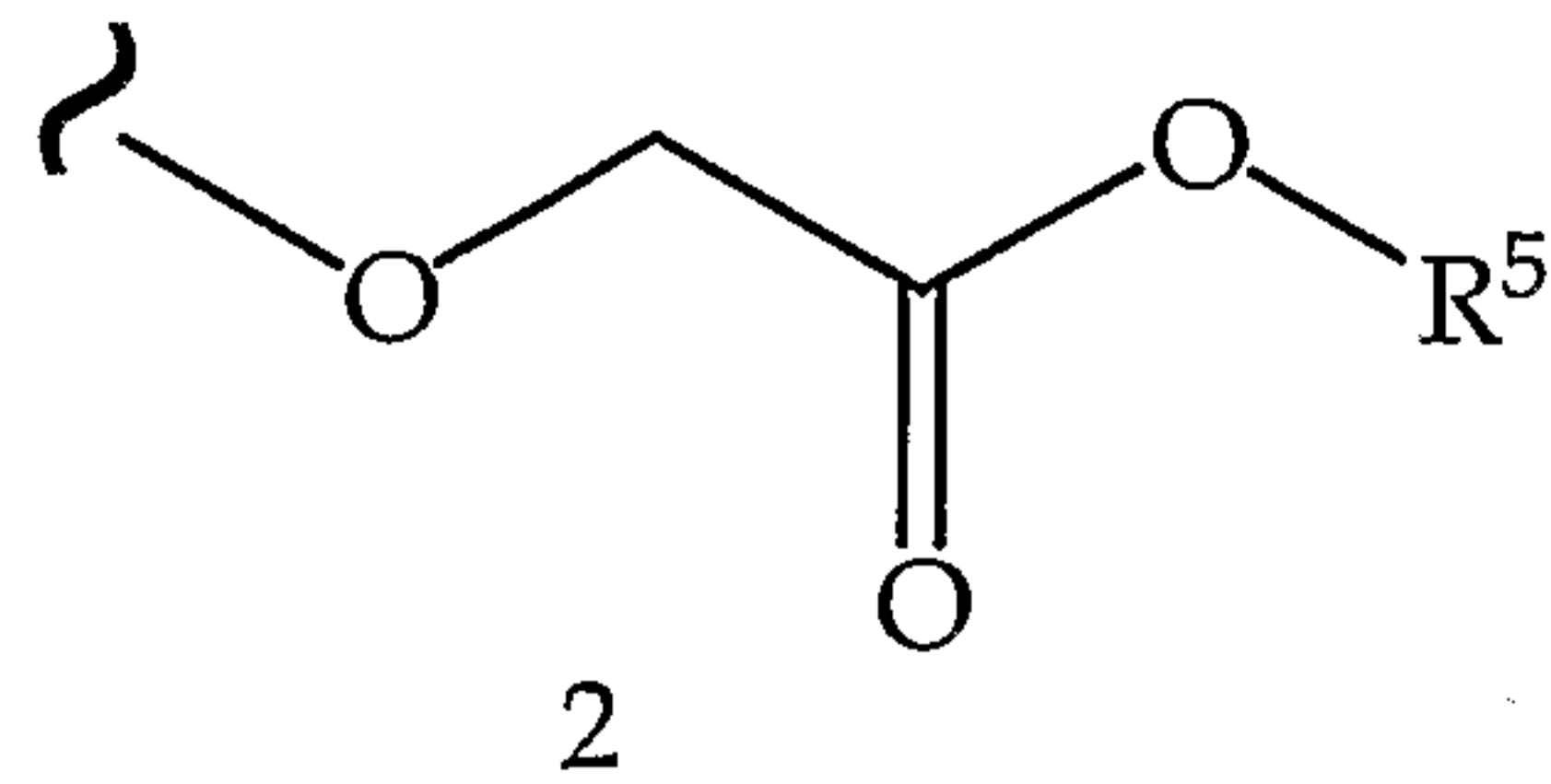
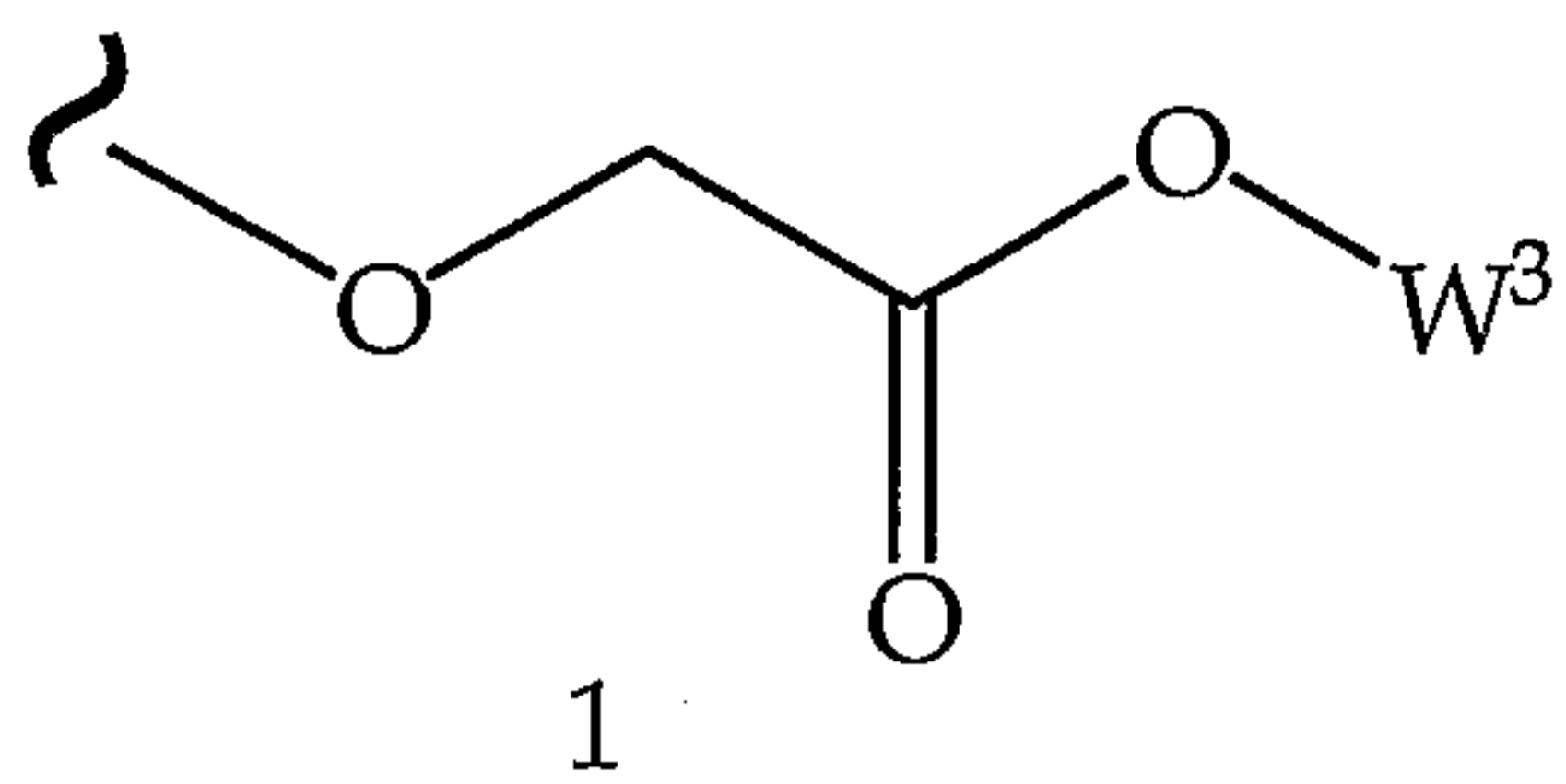


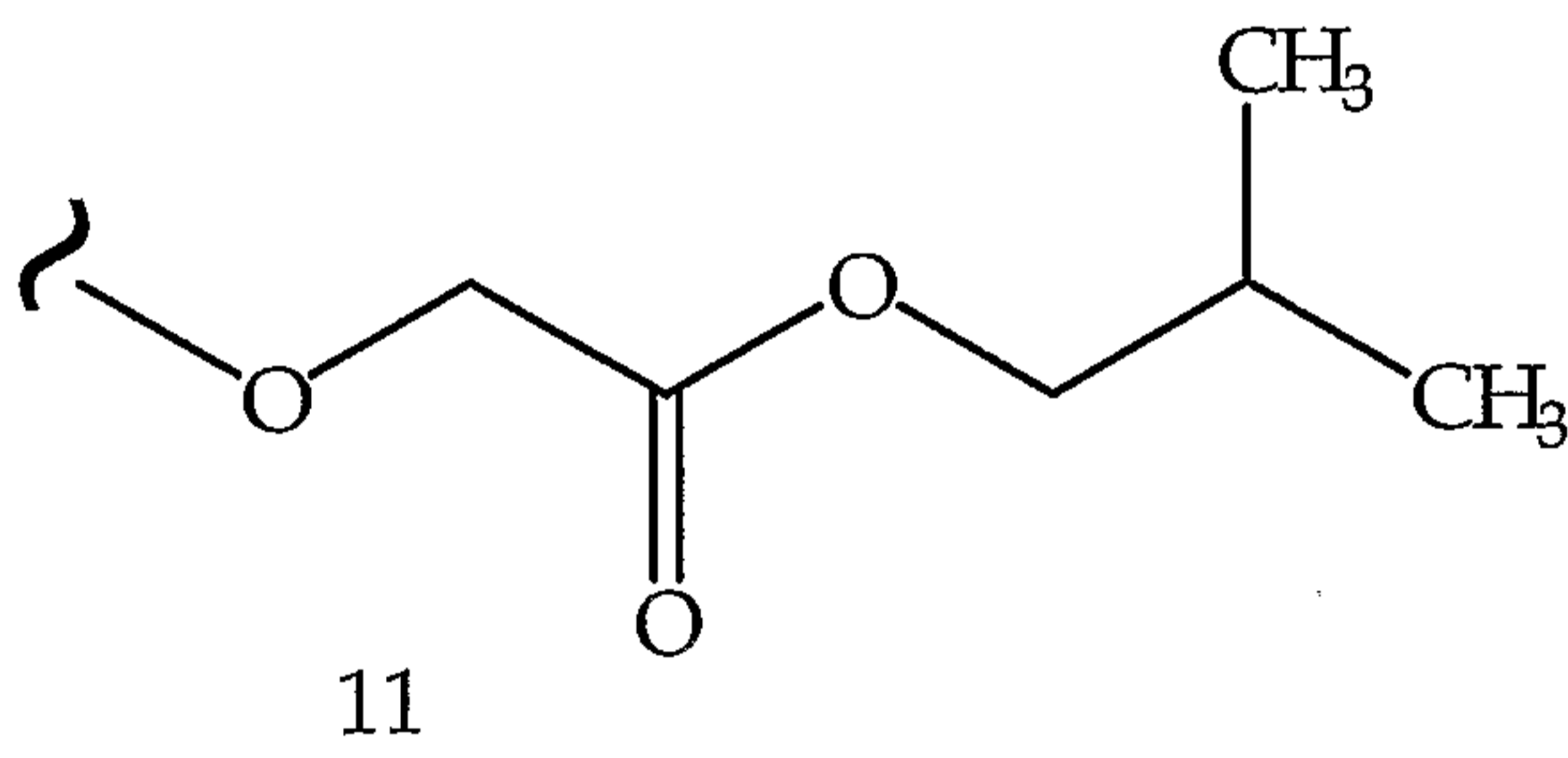
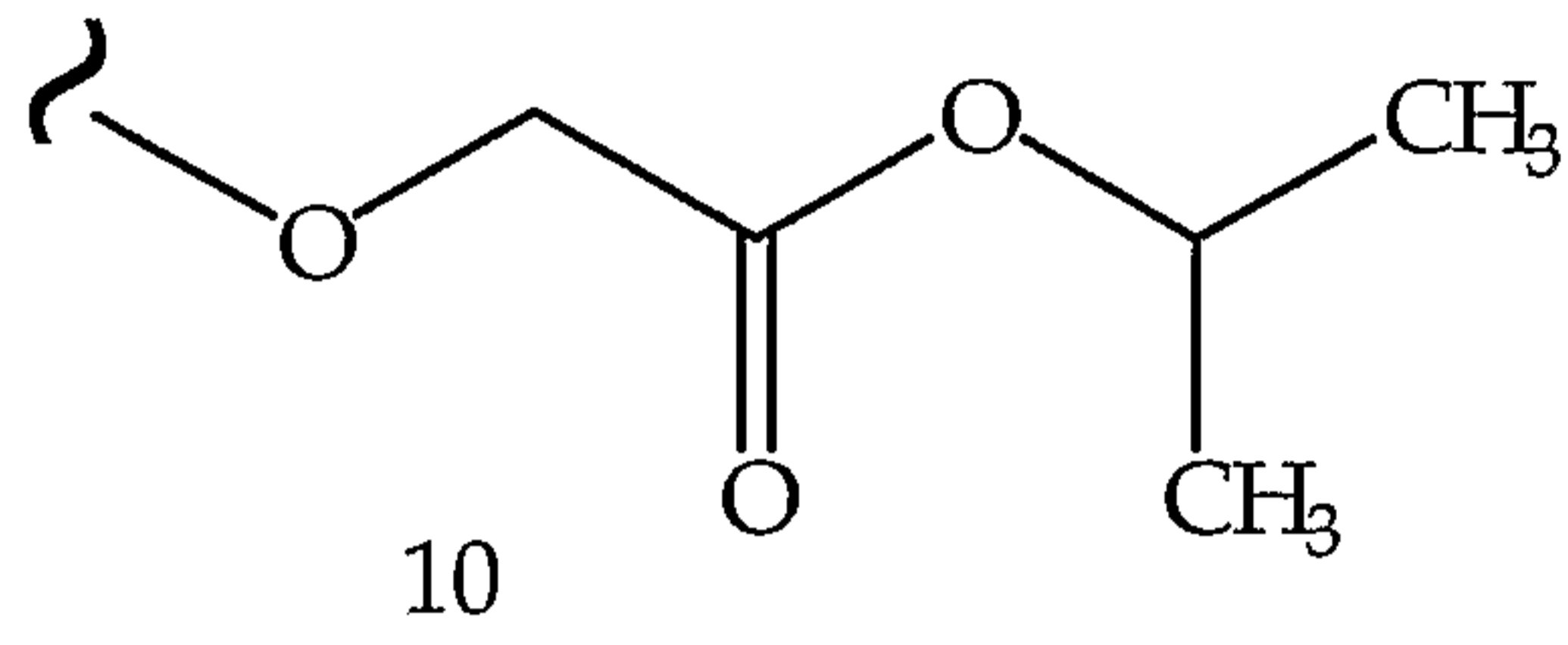
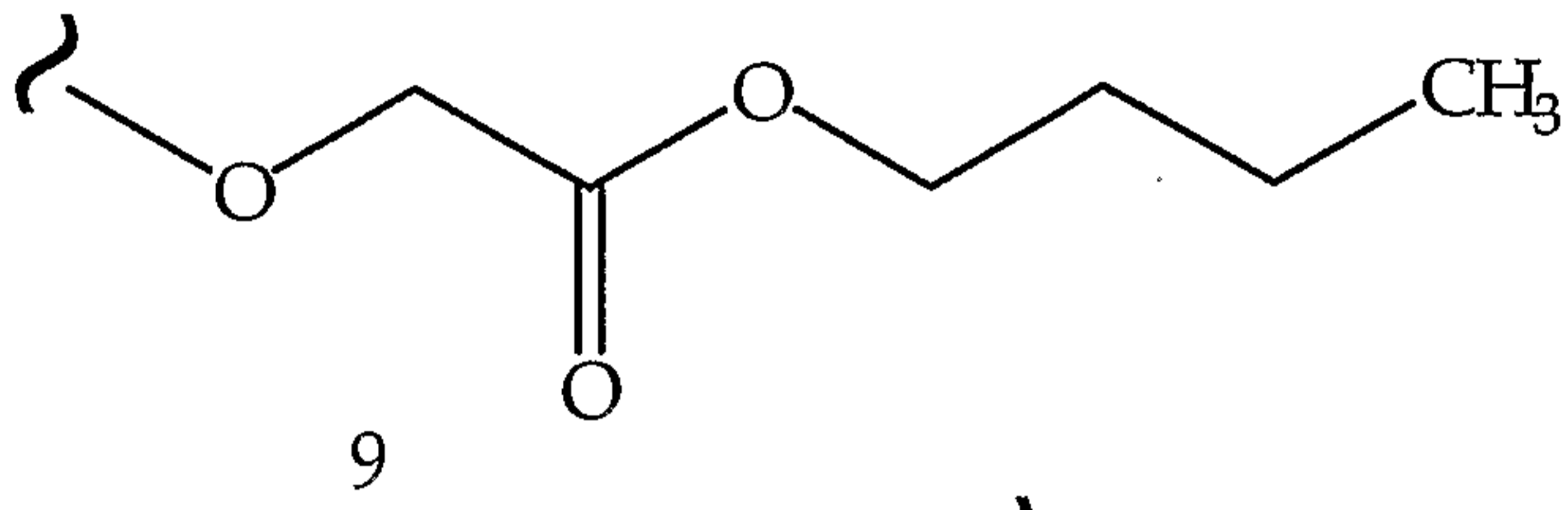
TABLE 20.2

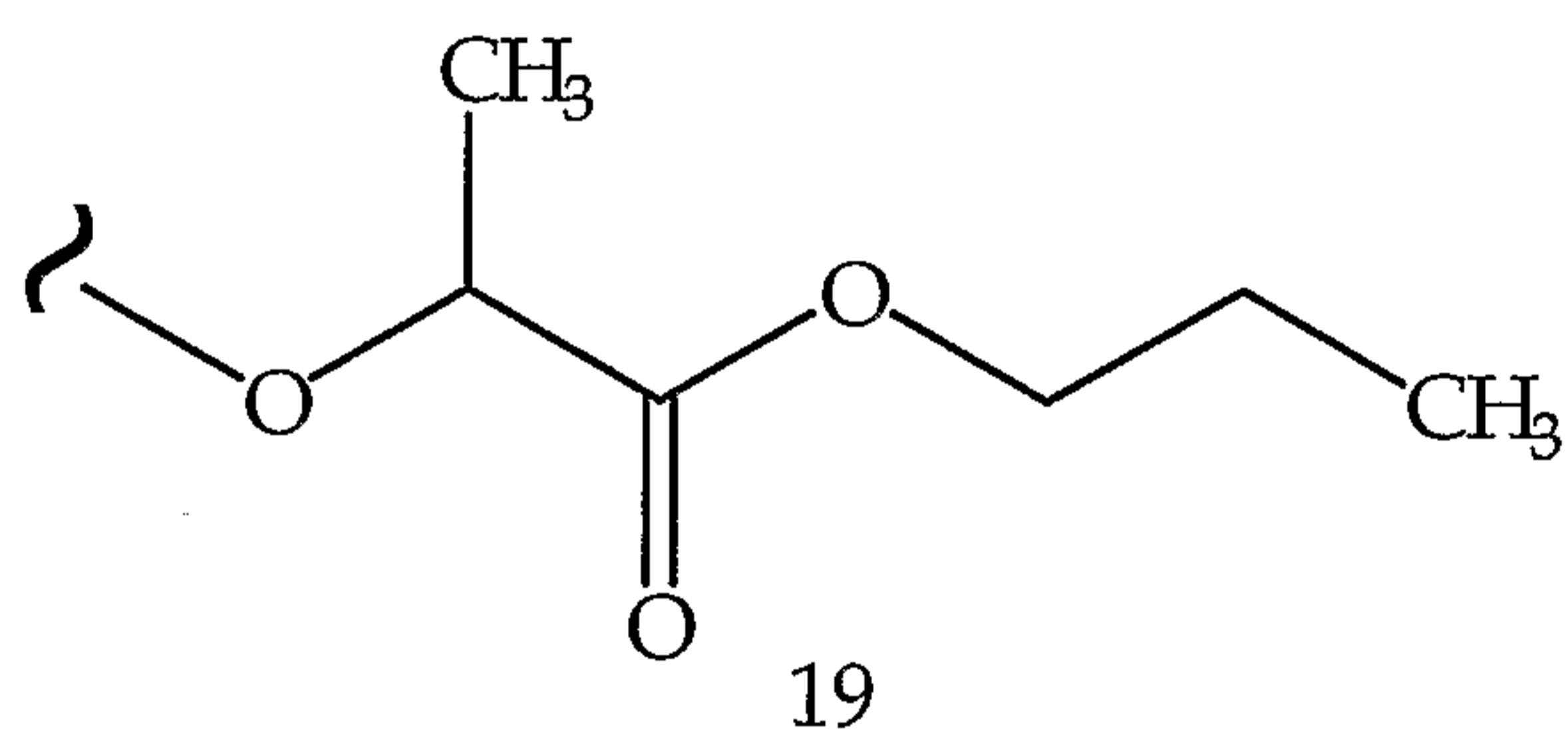
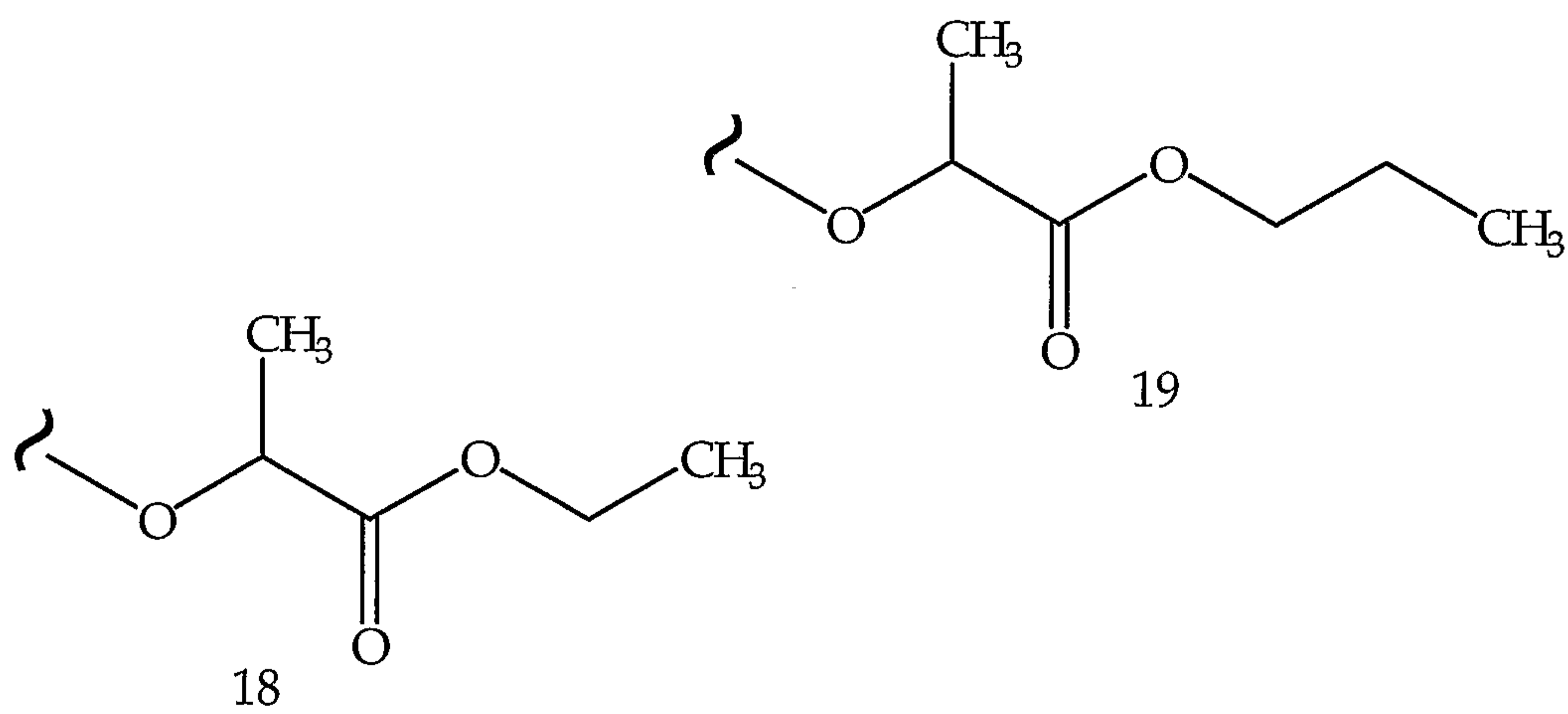
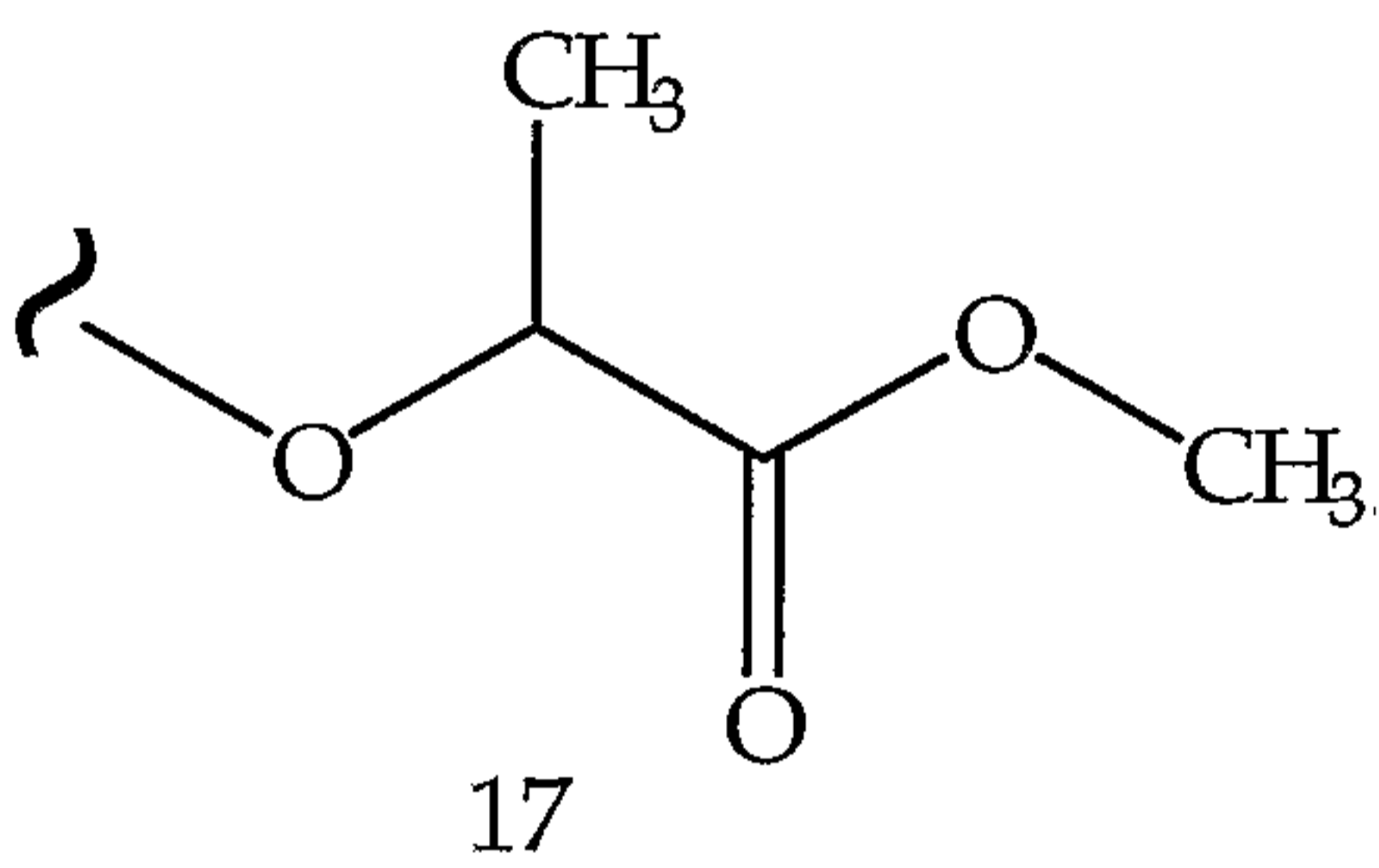
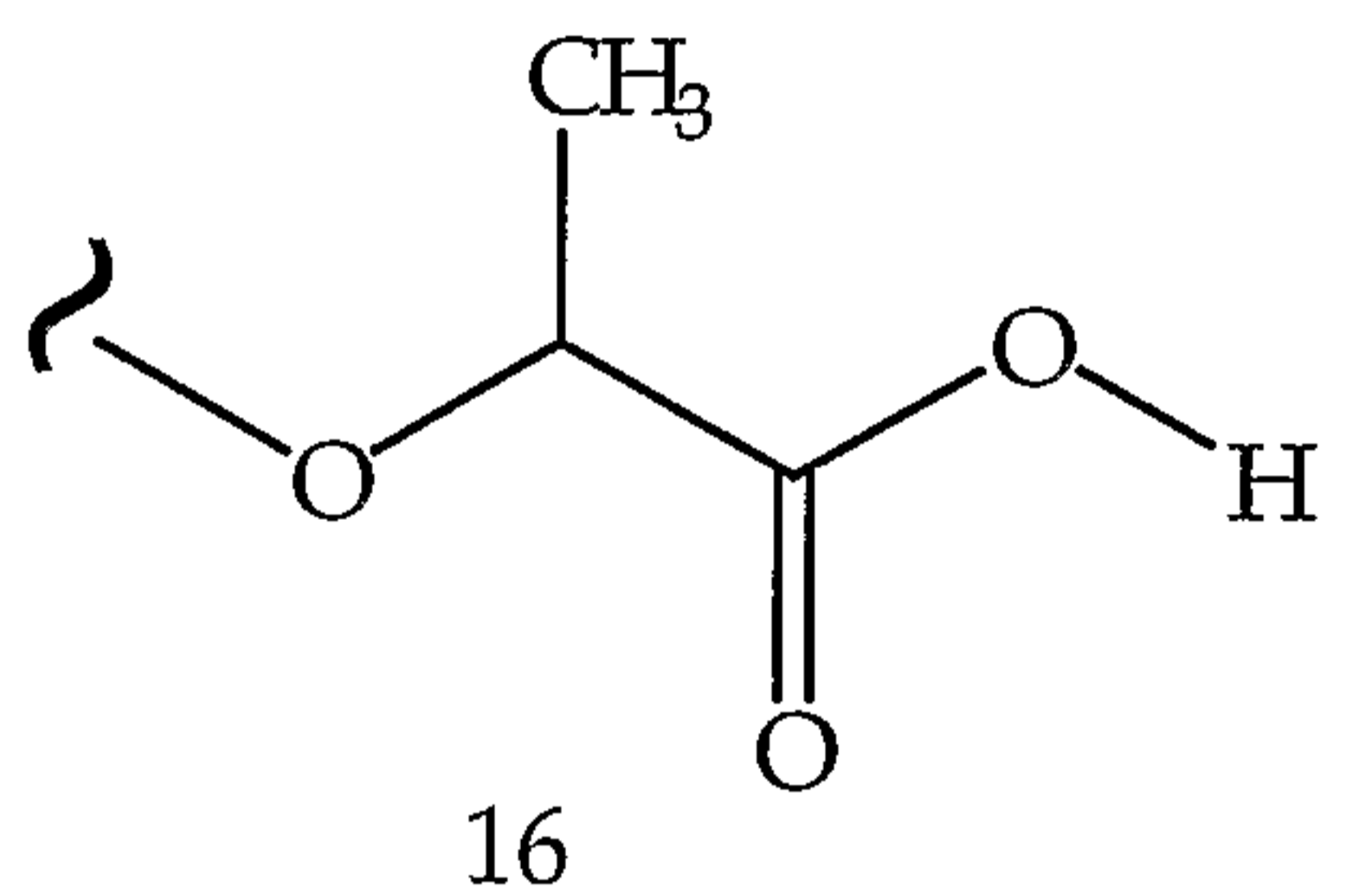
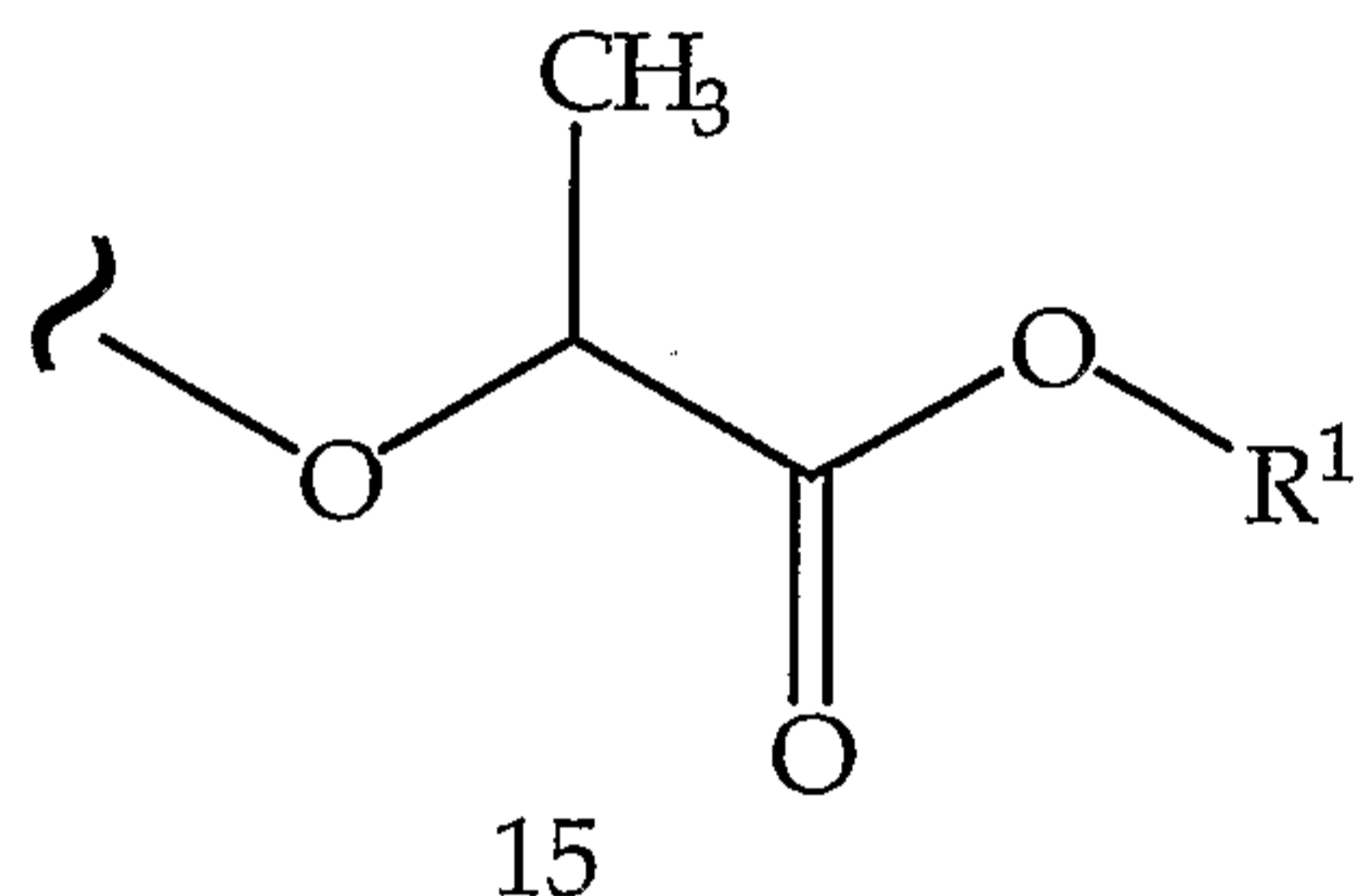
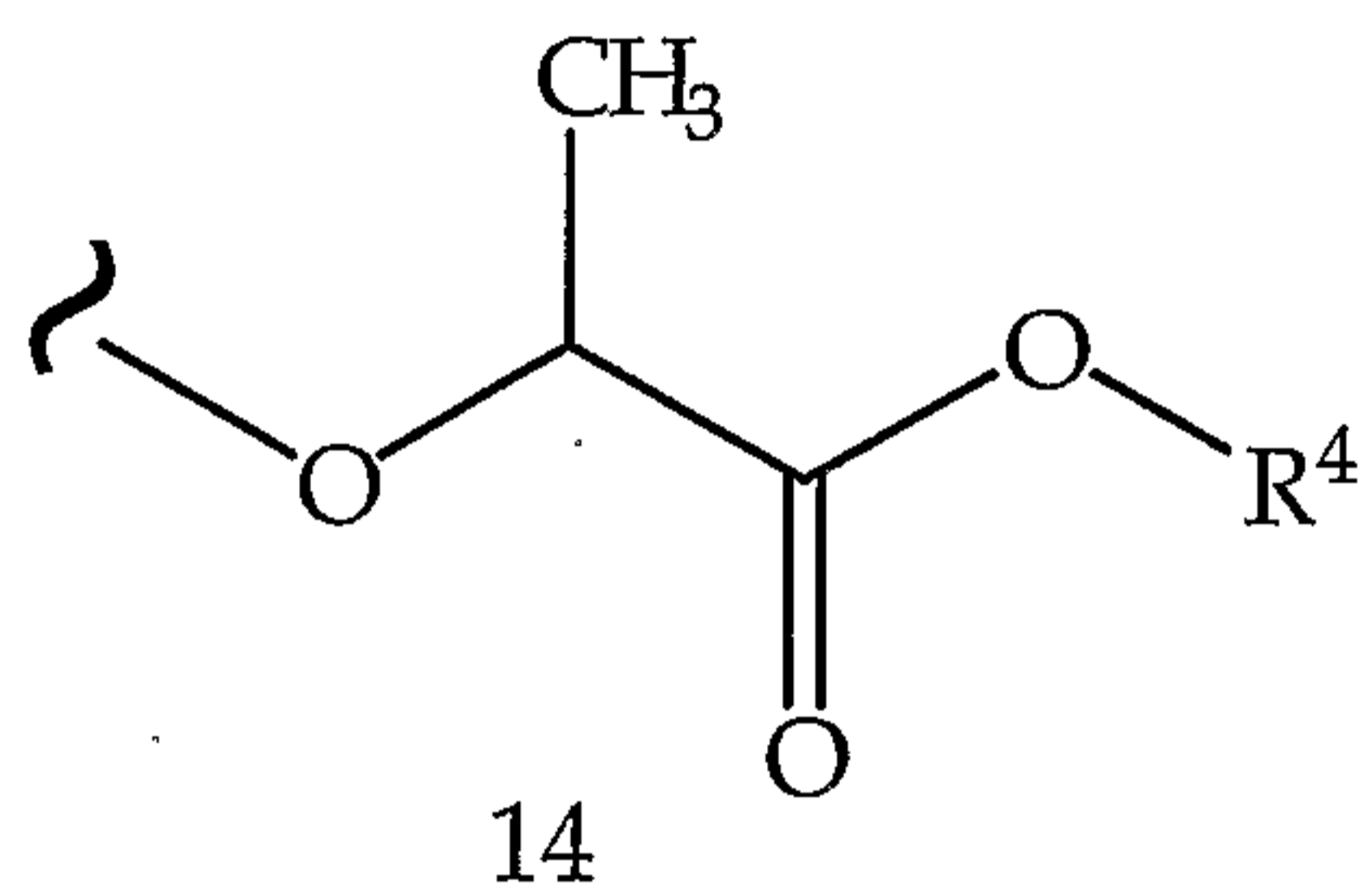
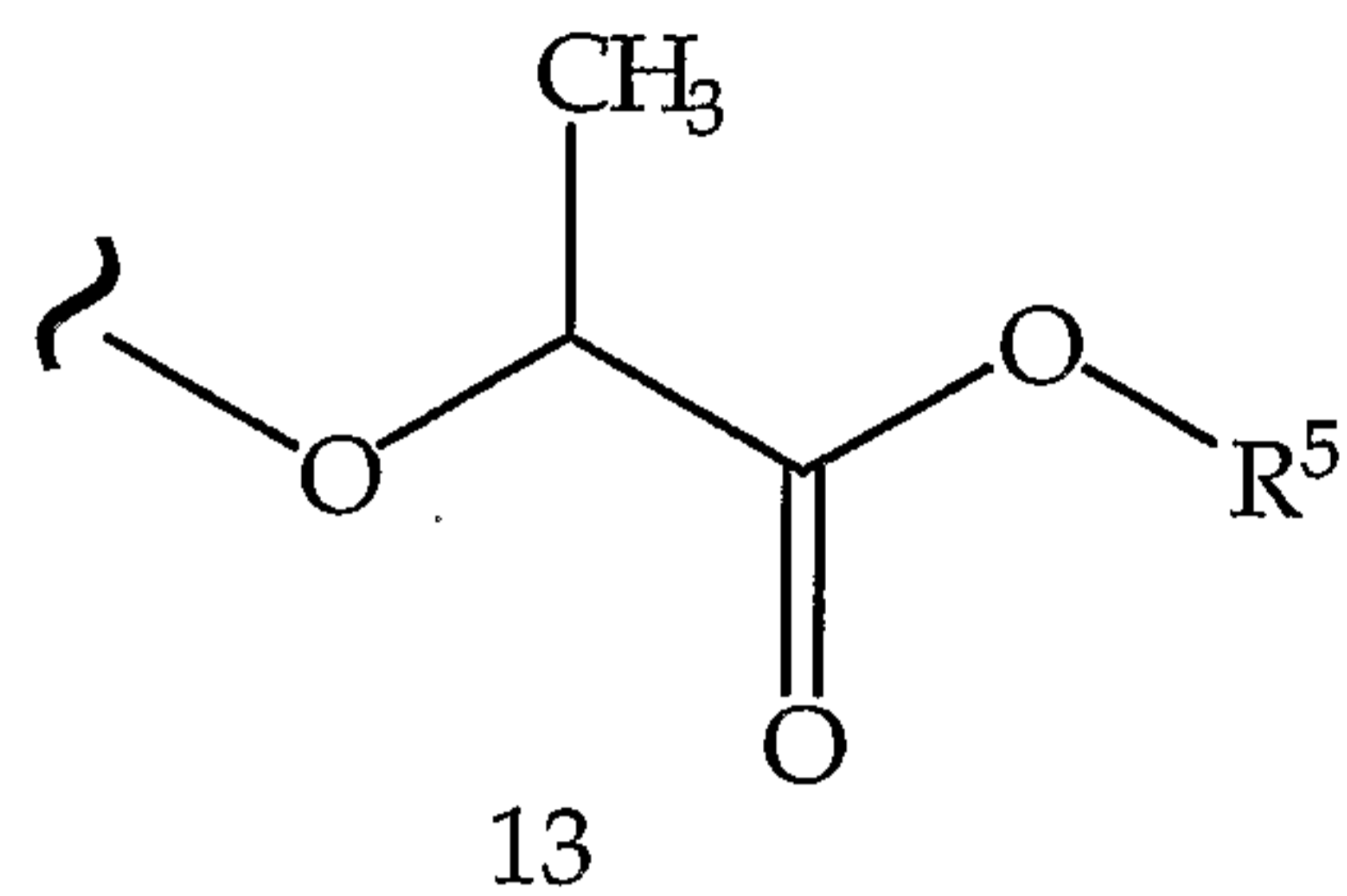
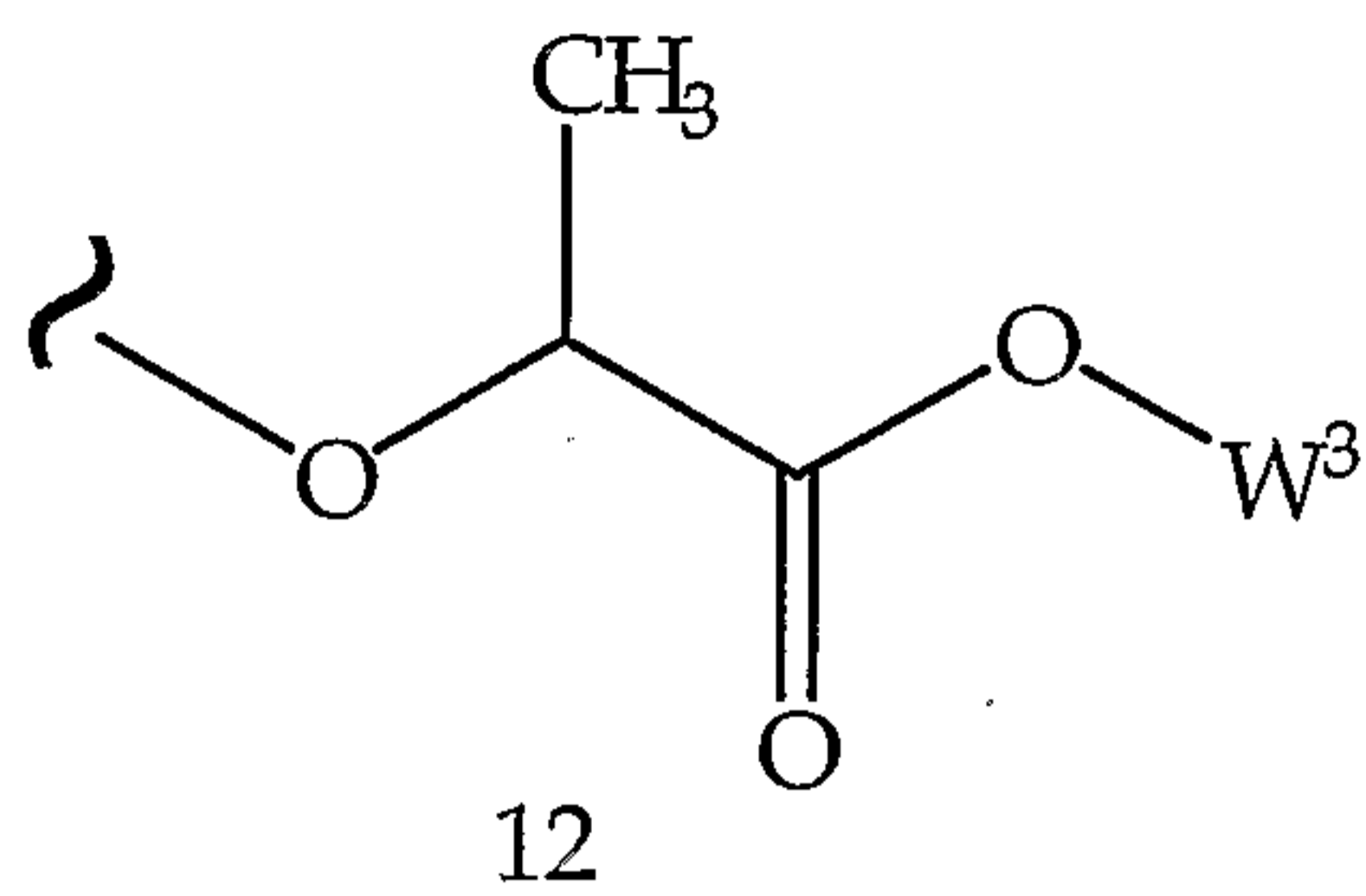
TABLE 20.0



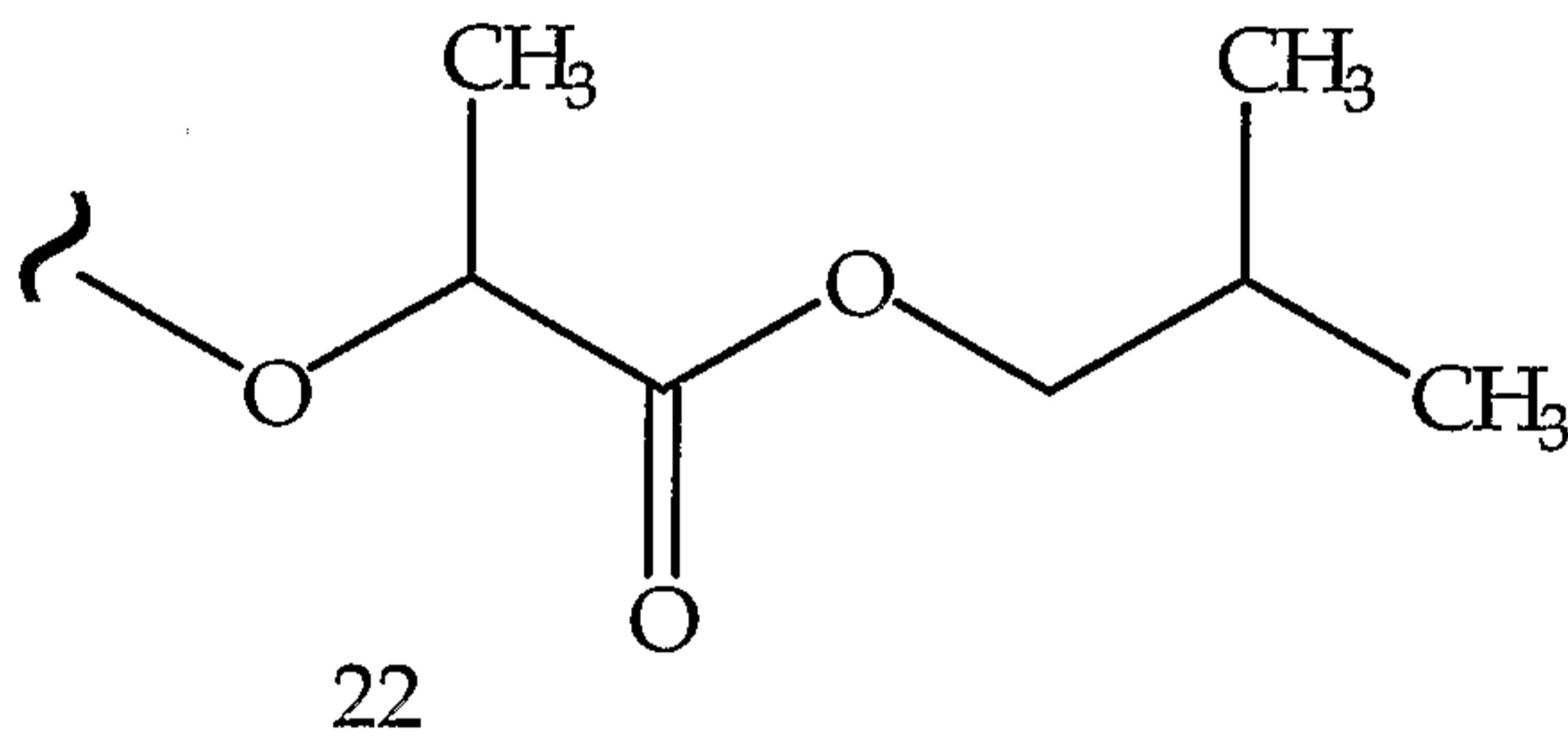
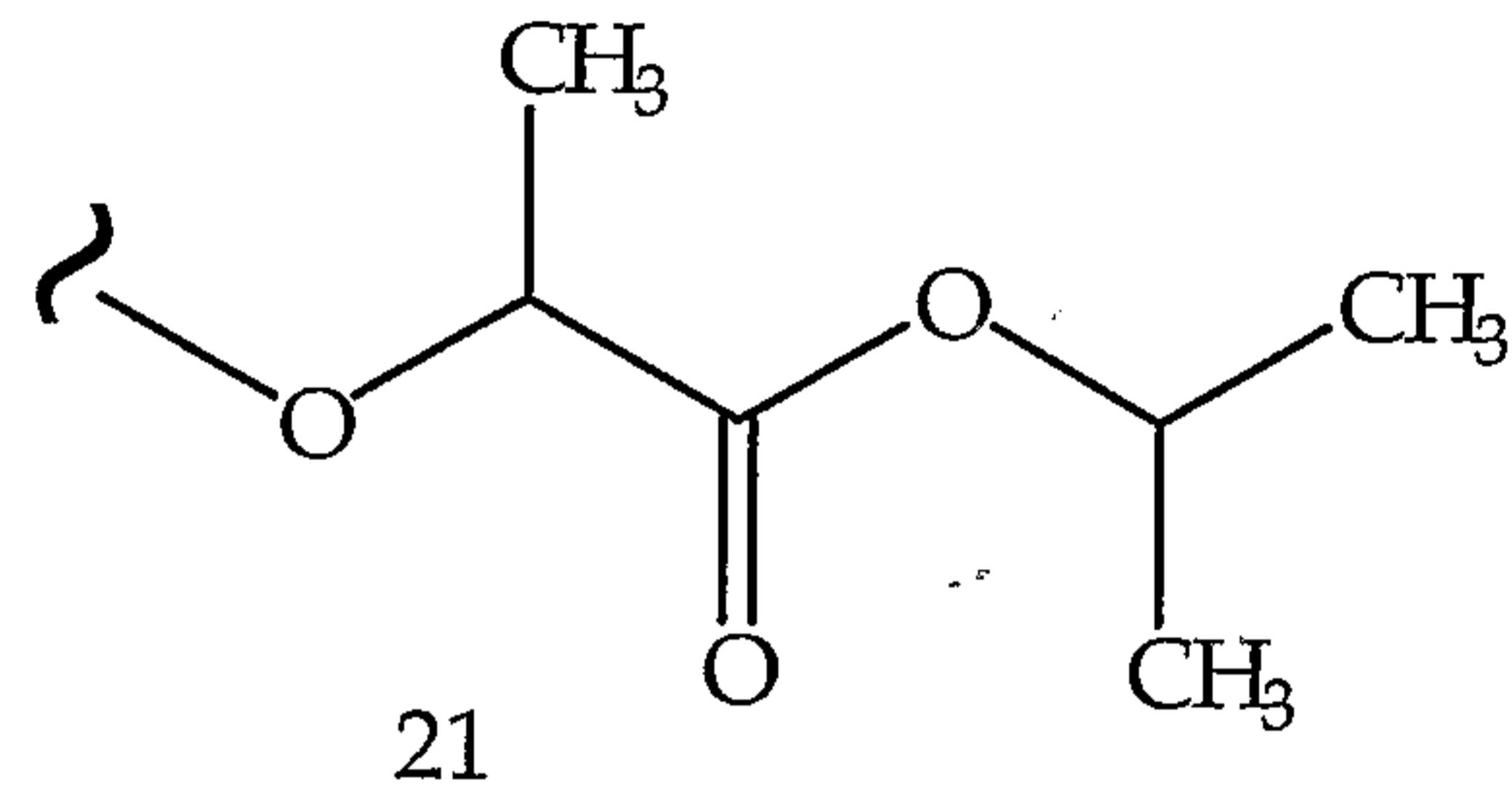
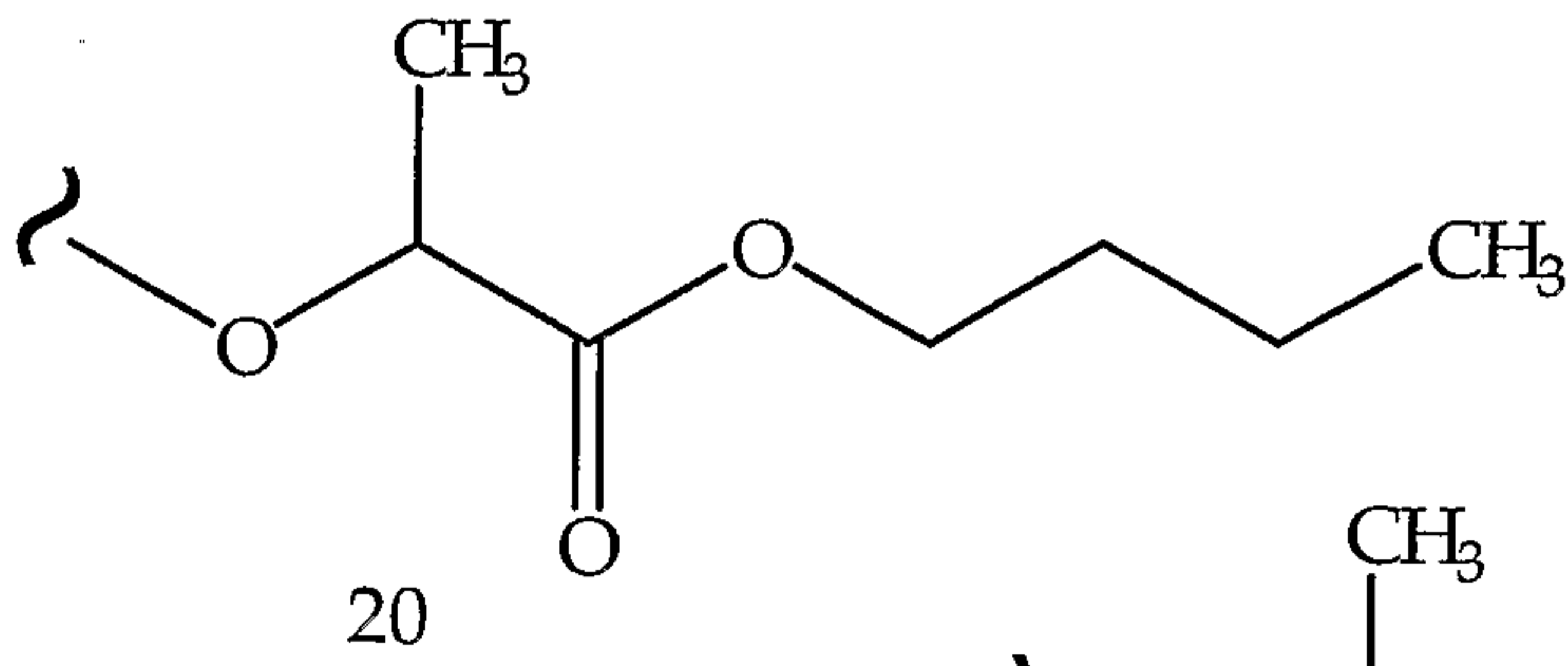
FIGURE 20.F

TABLE 20.3

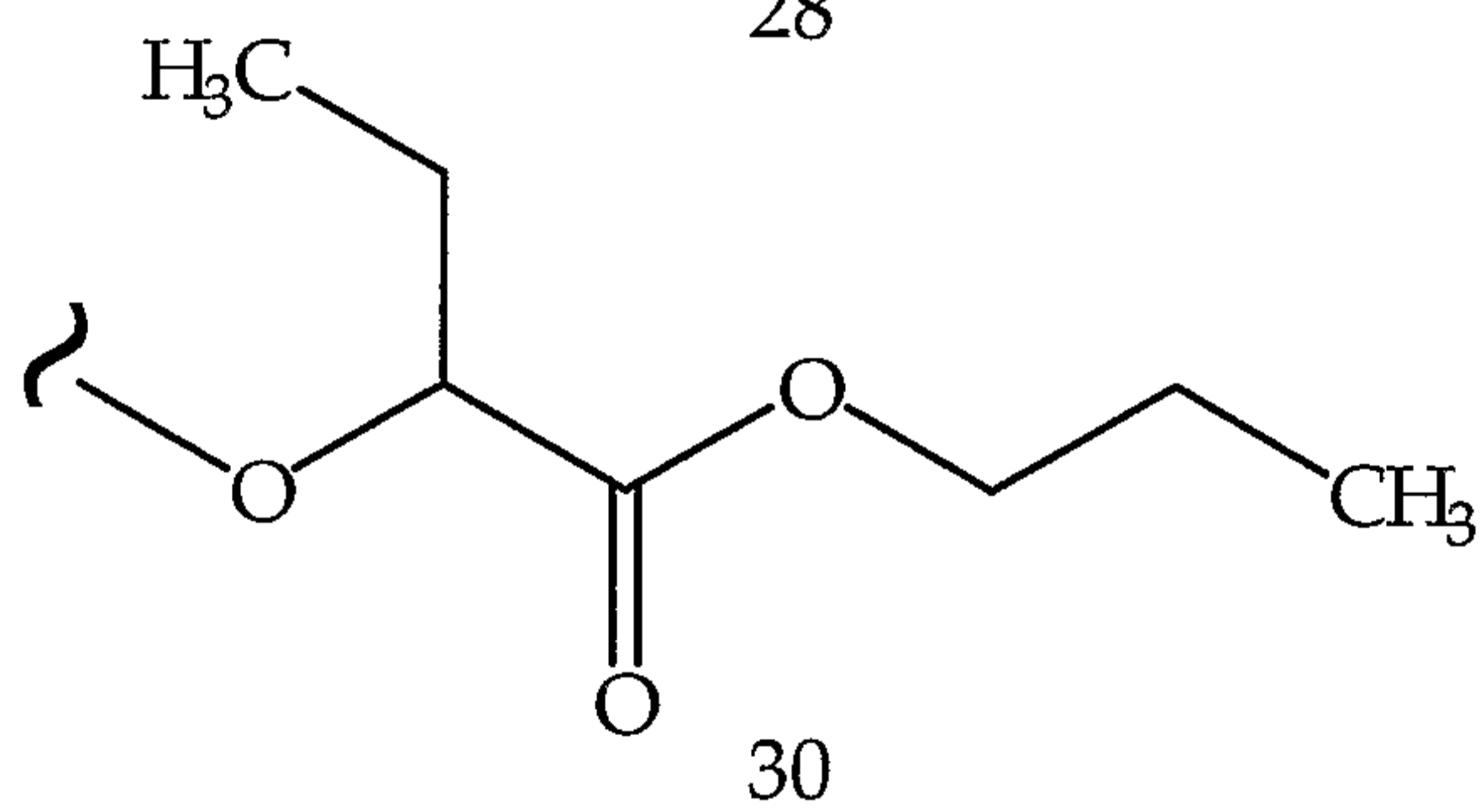
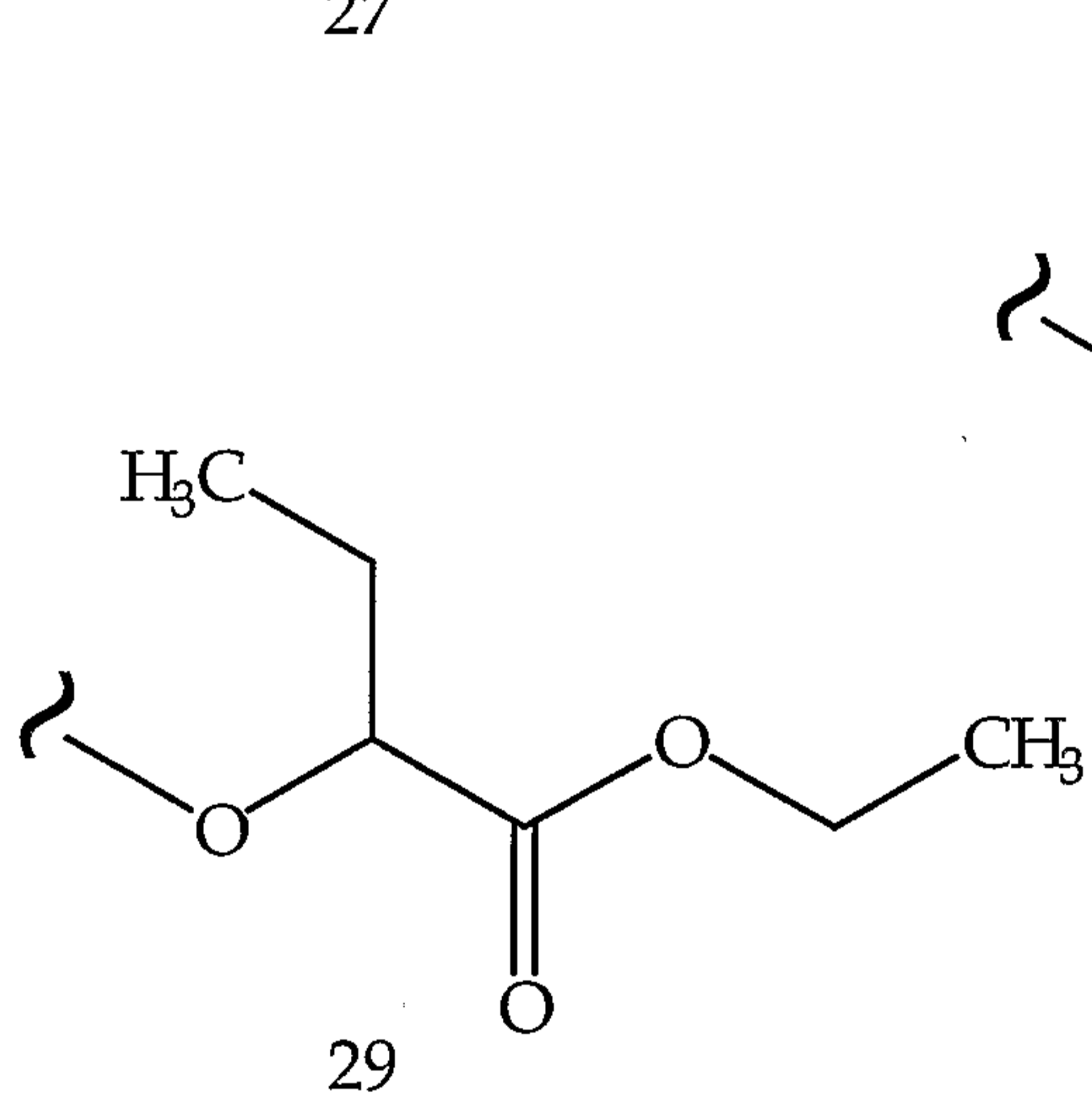
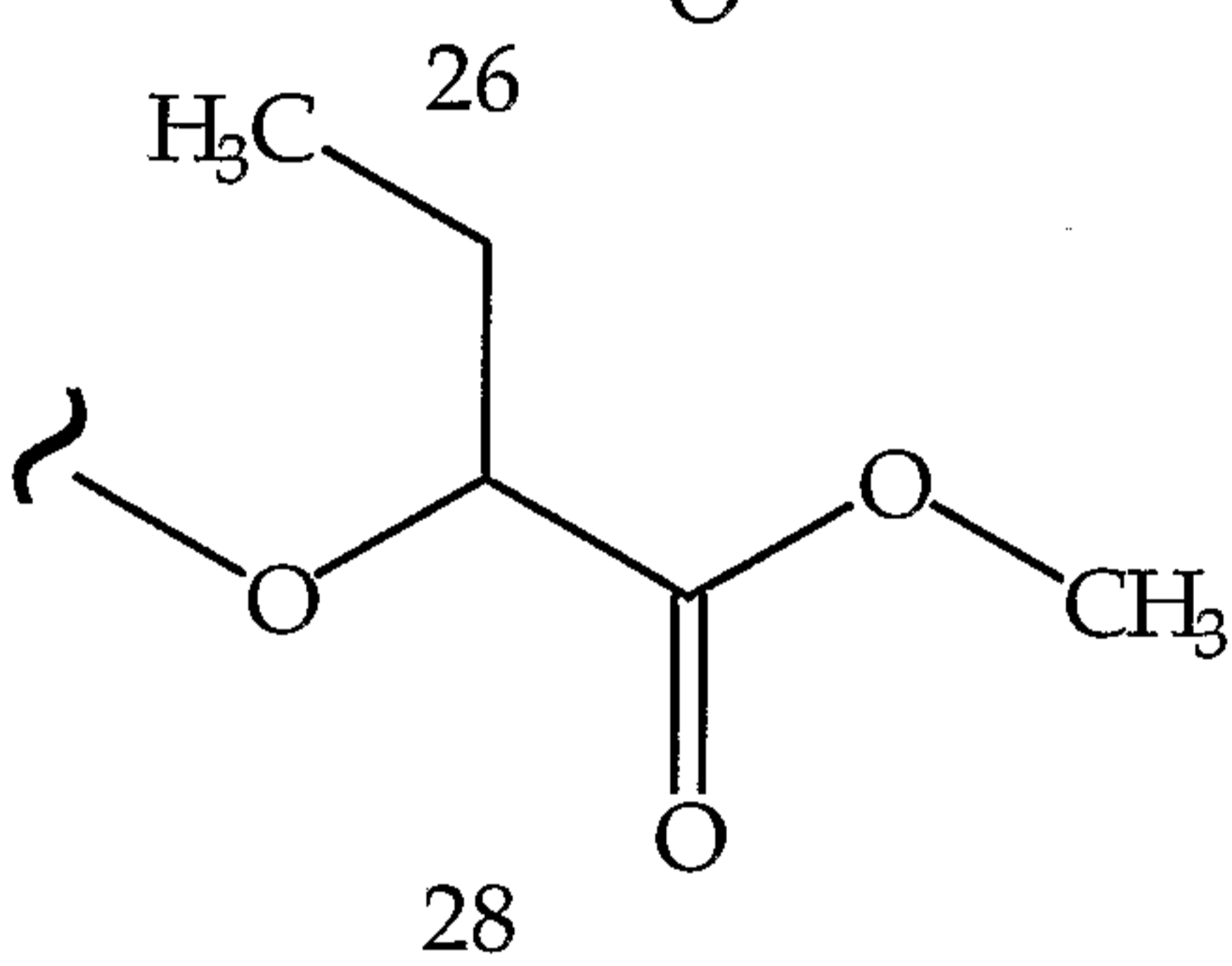
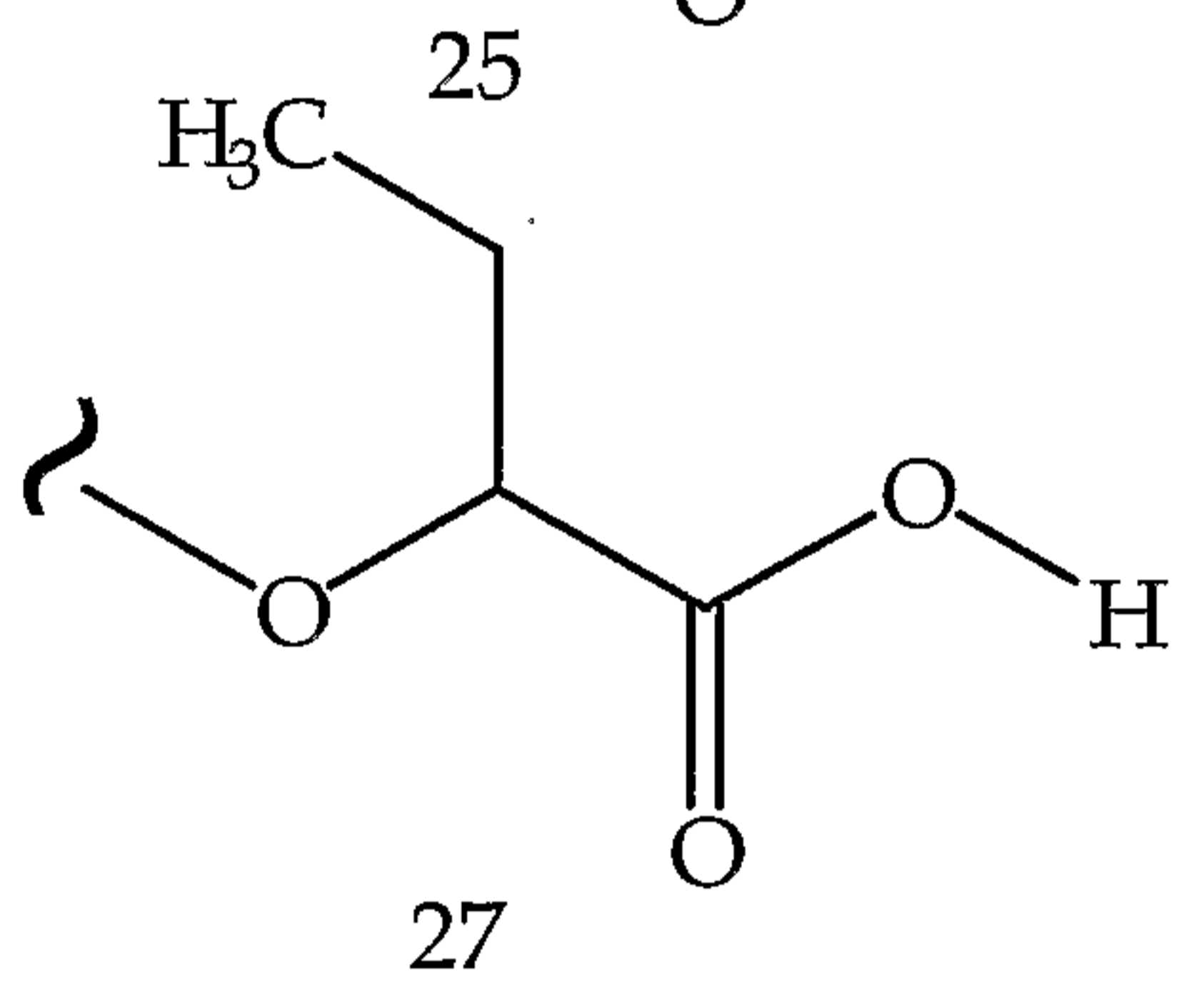
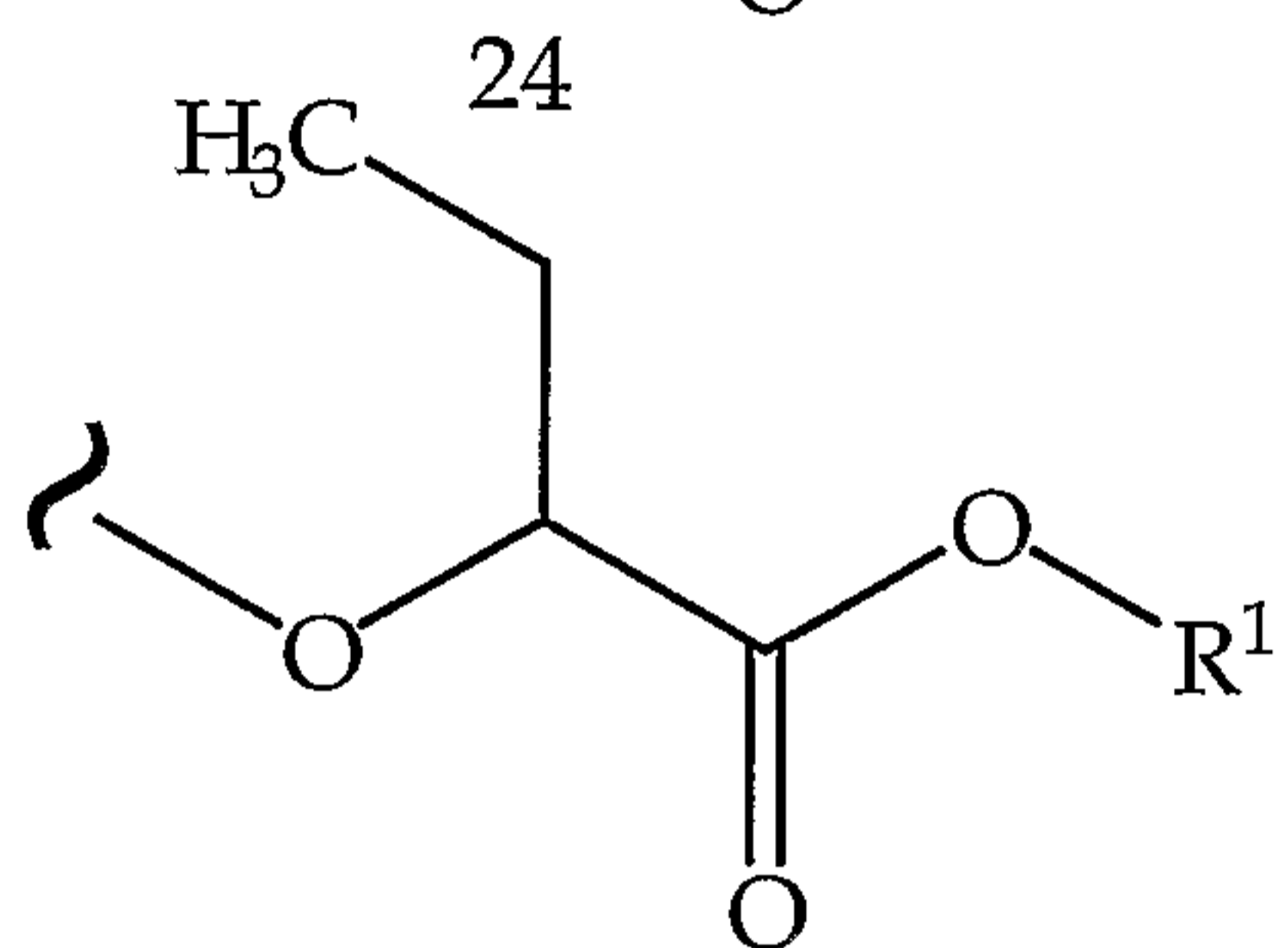
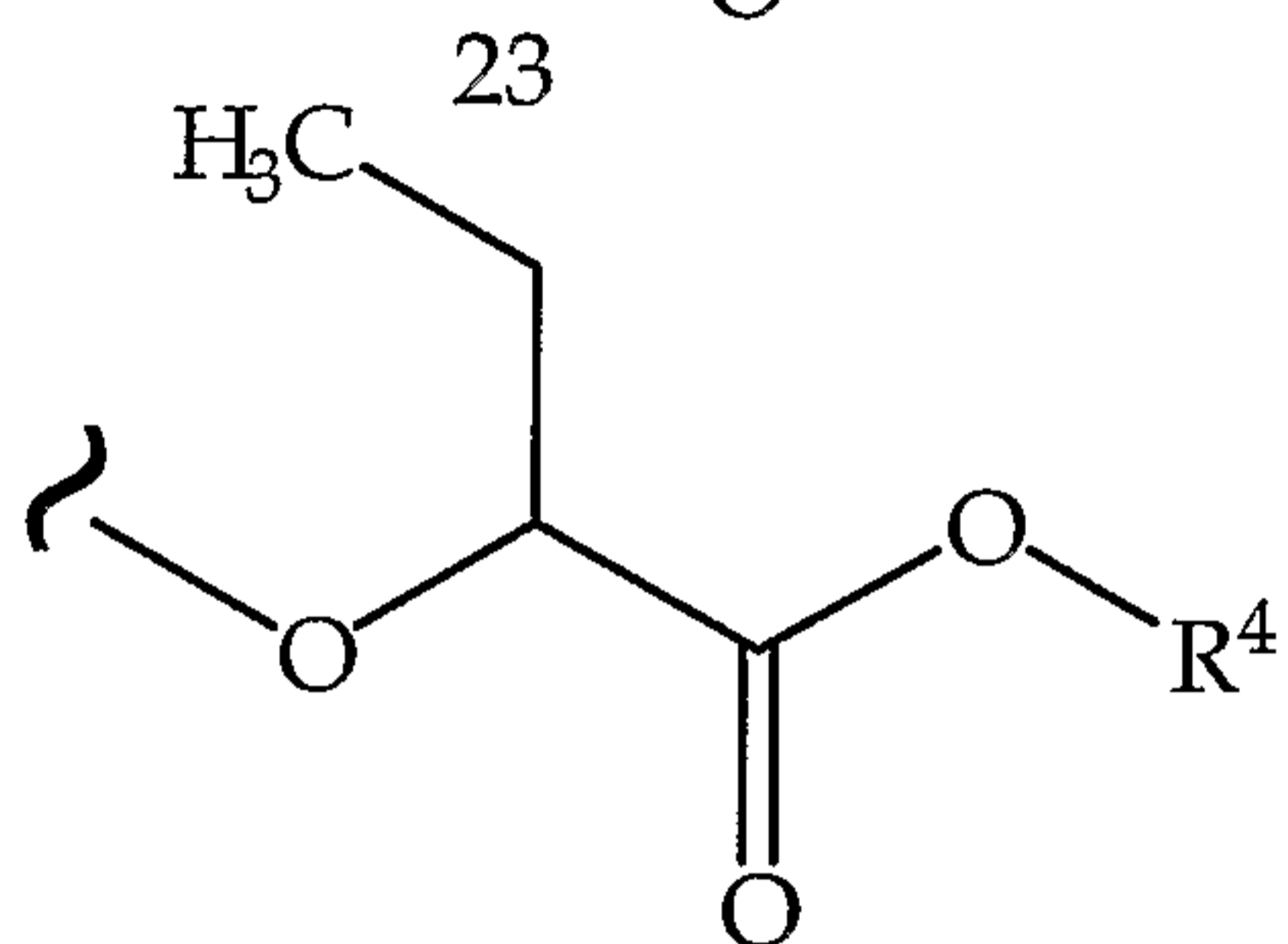
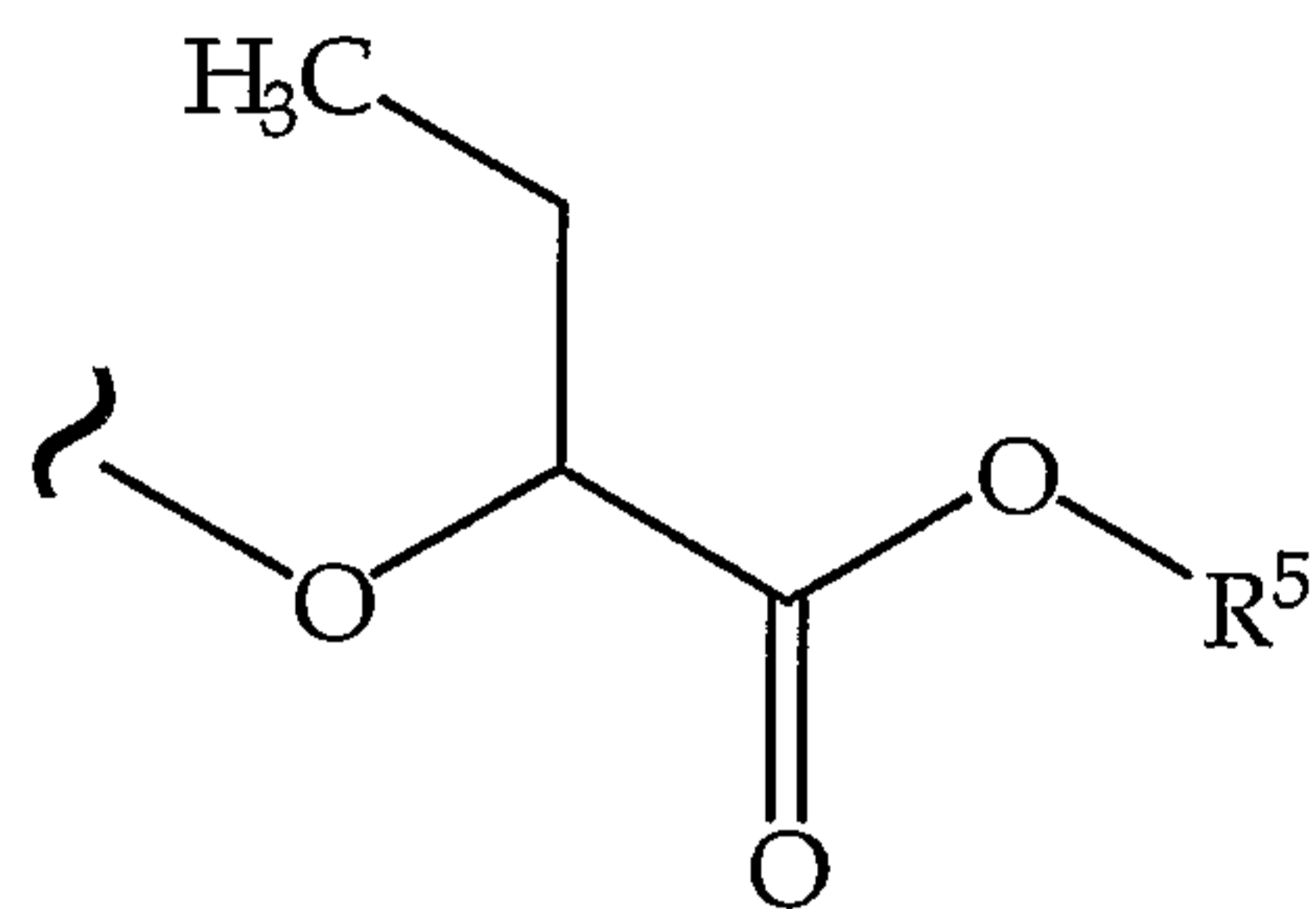
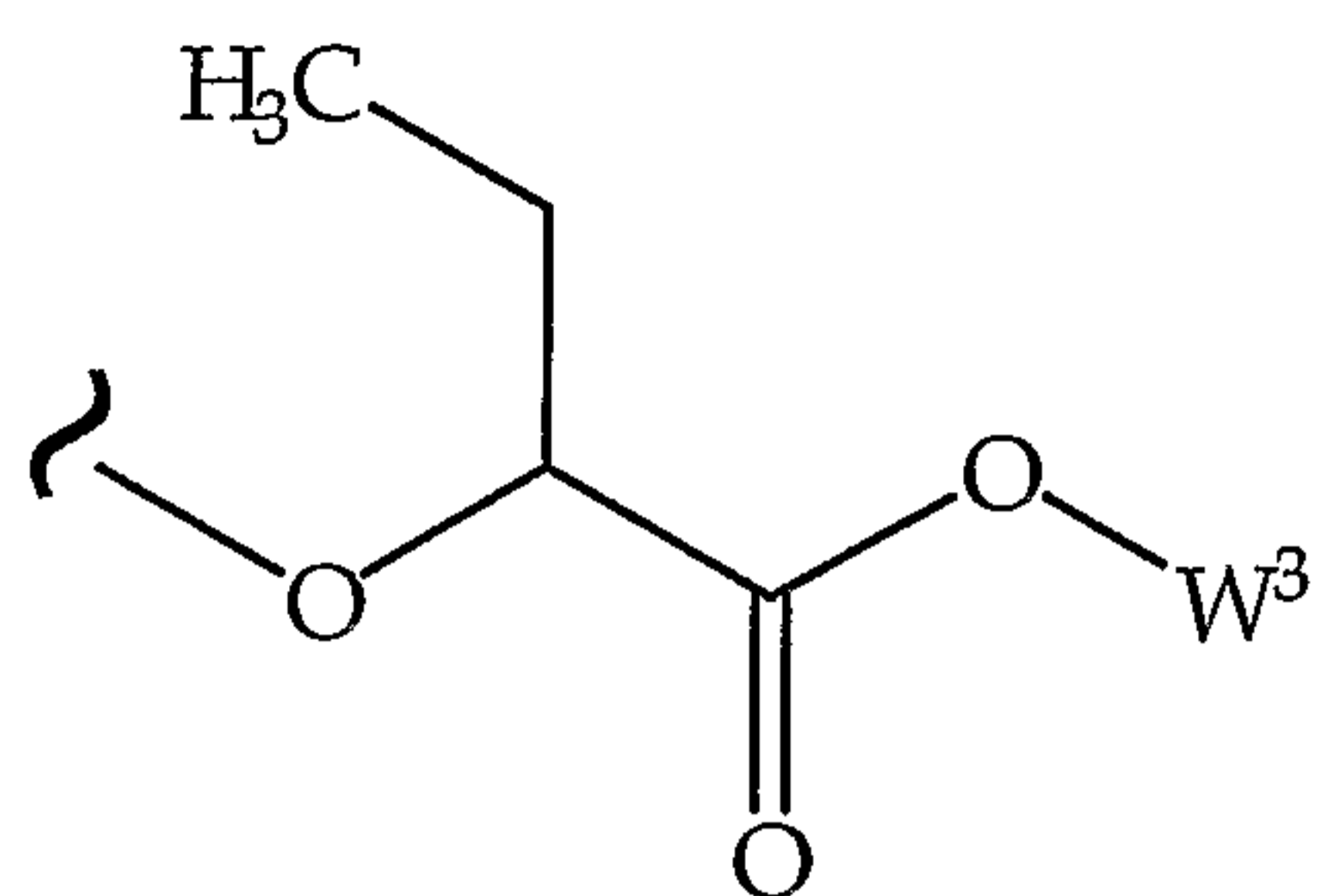


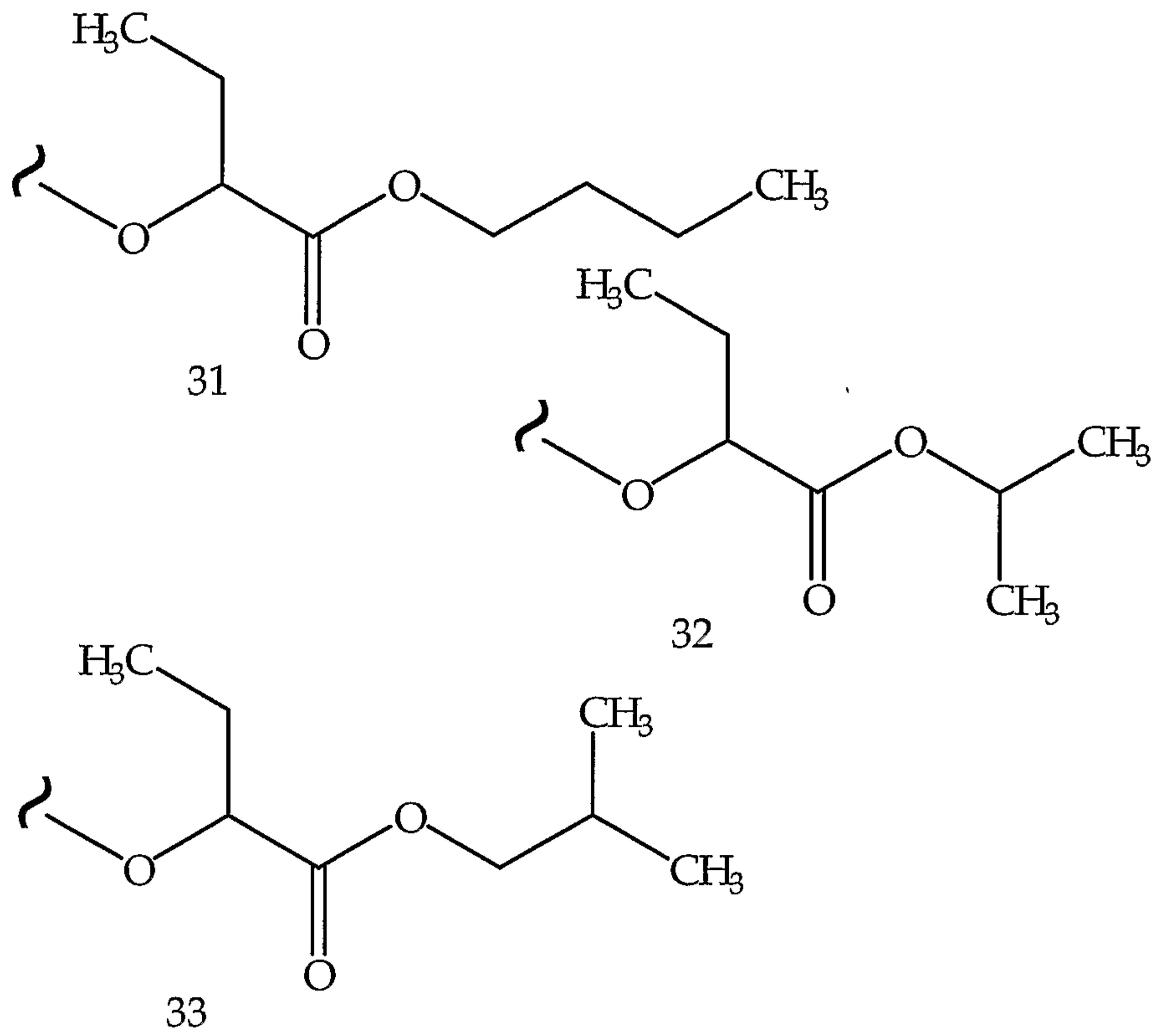
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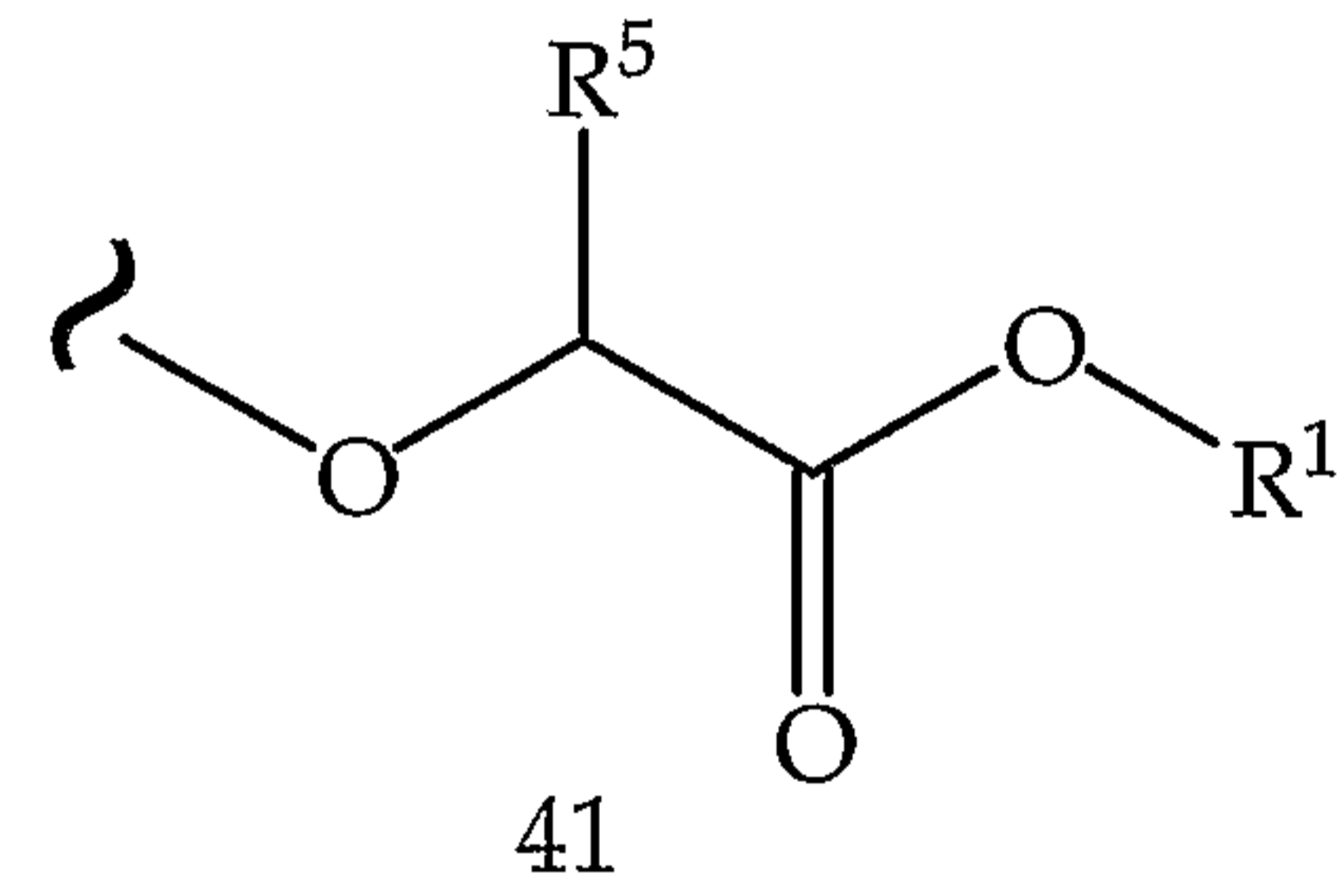
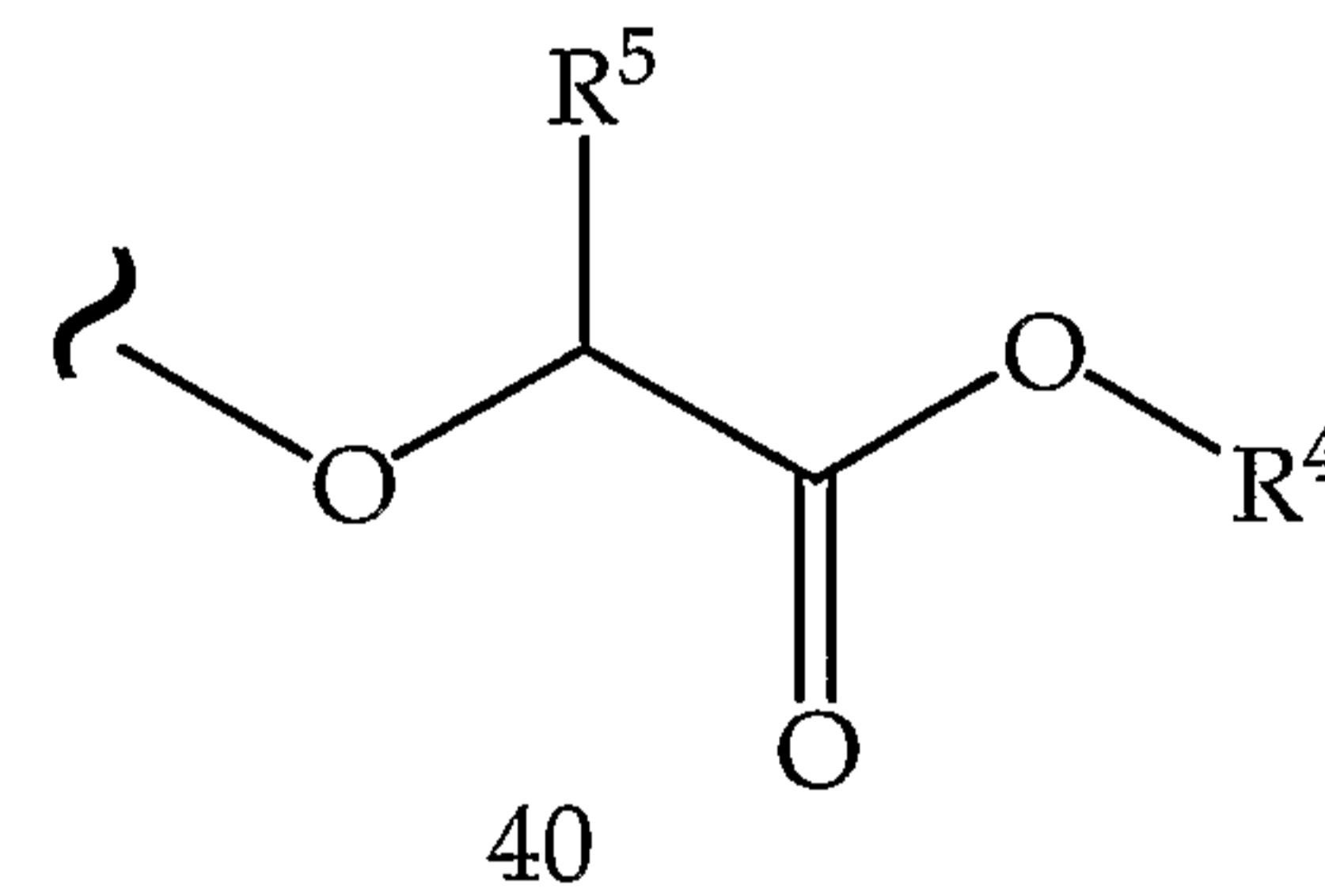
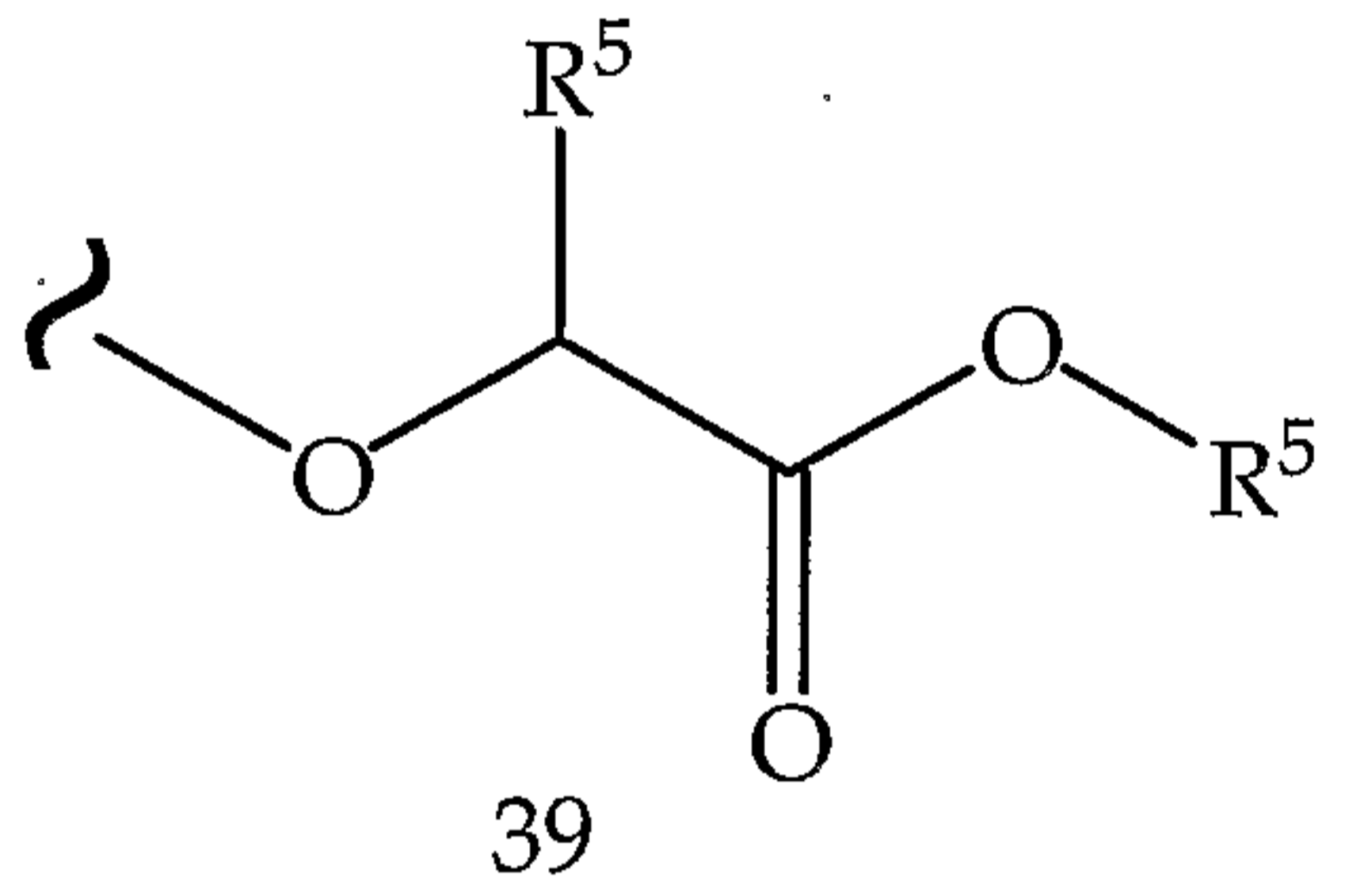
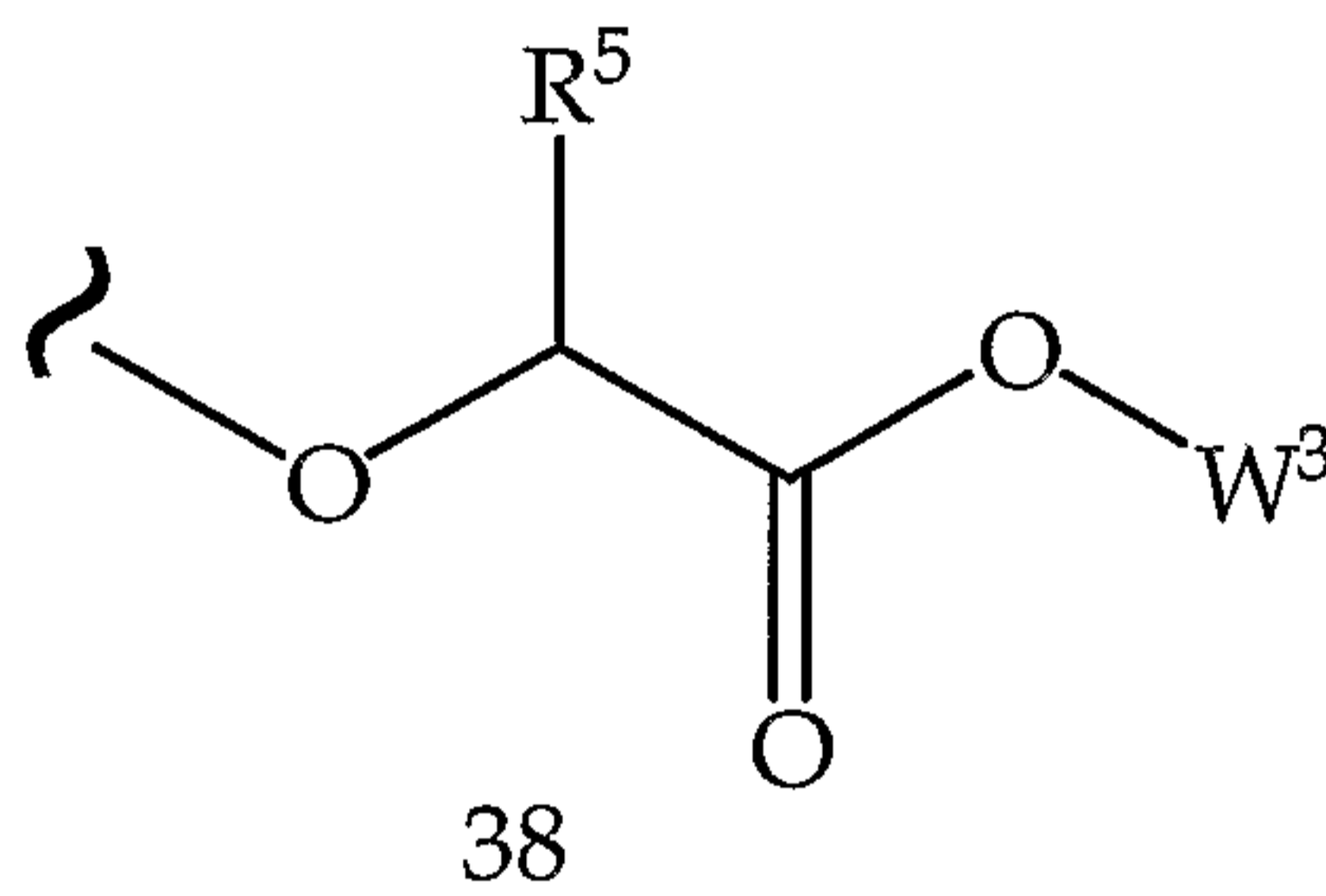
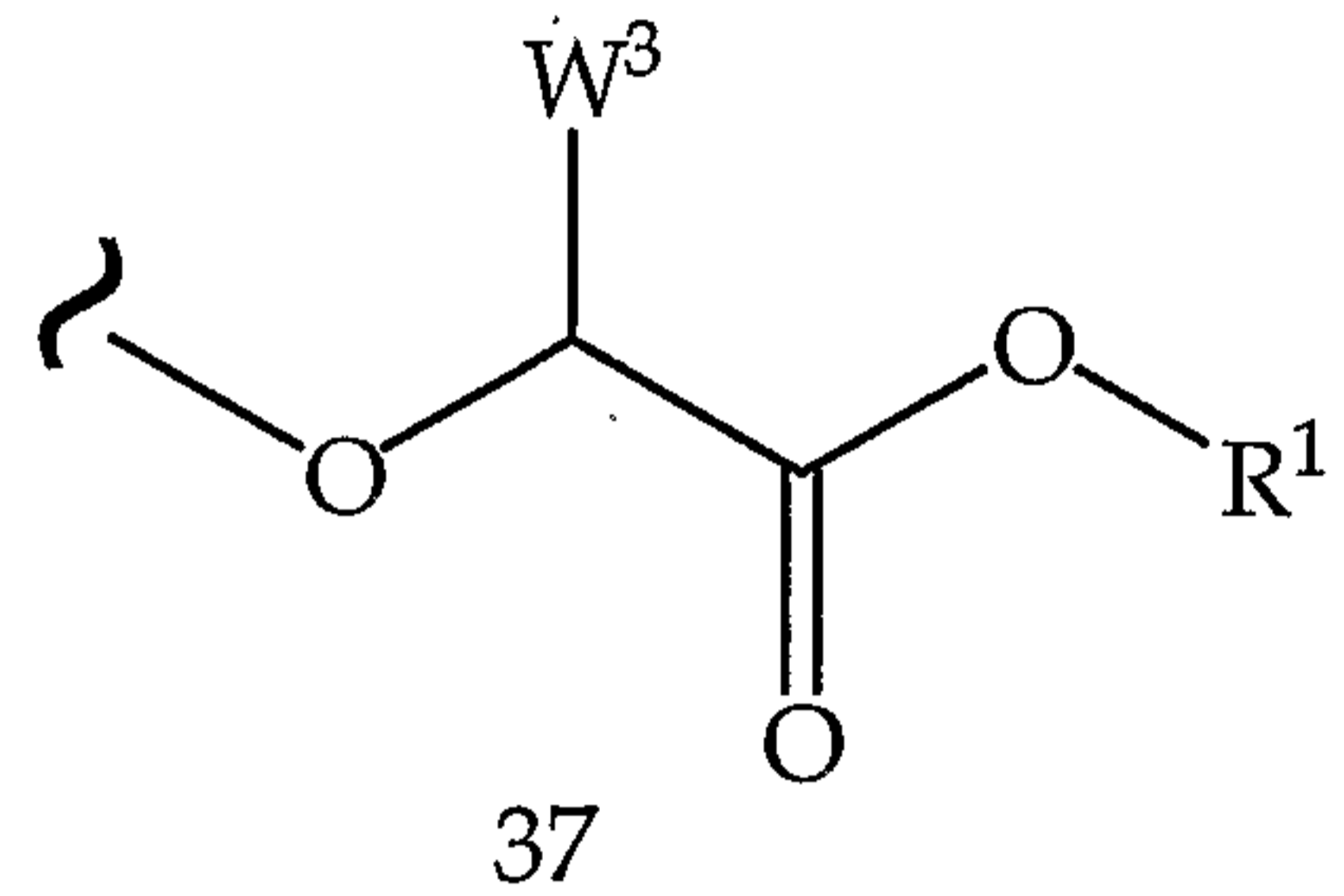
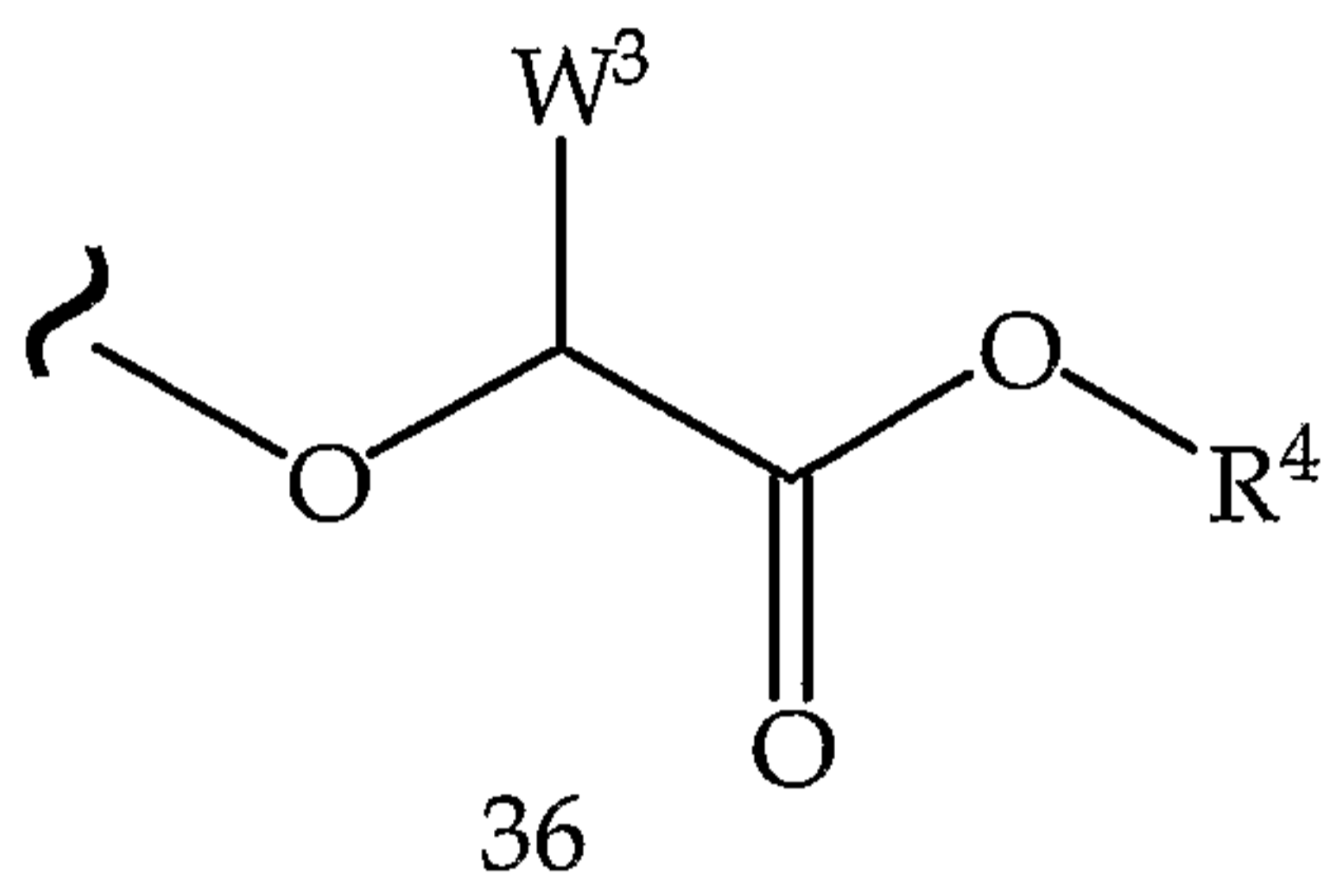
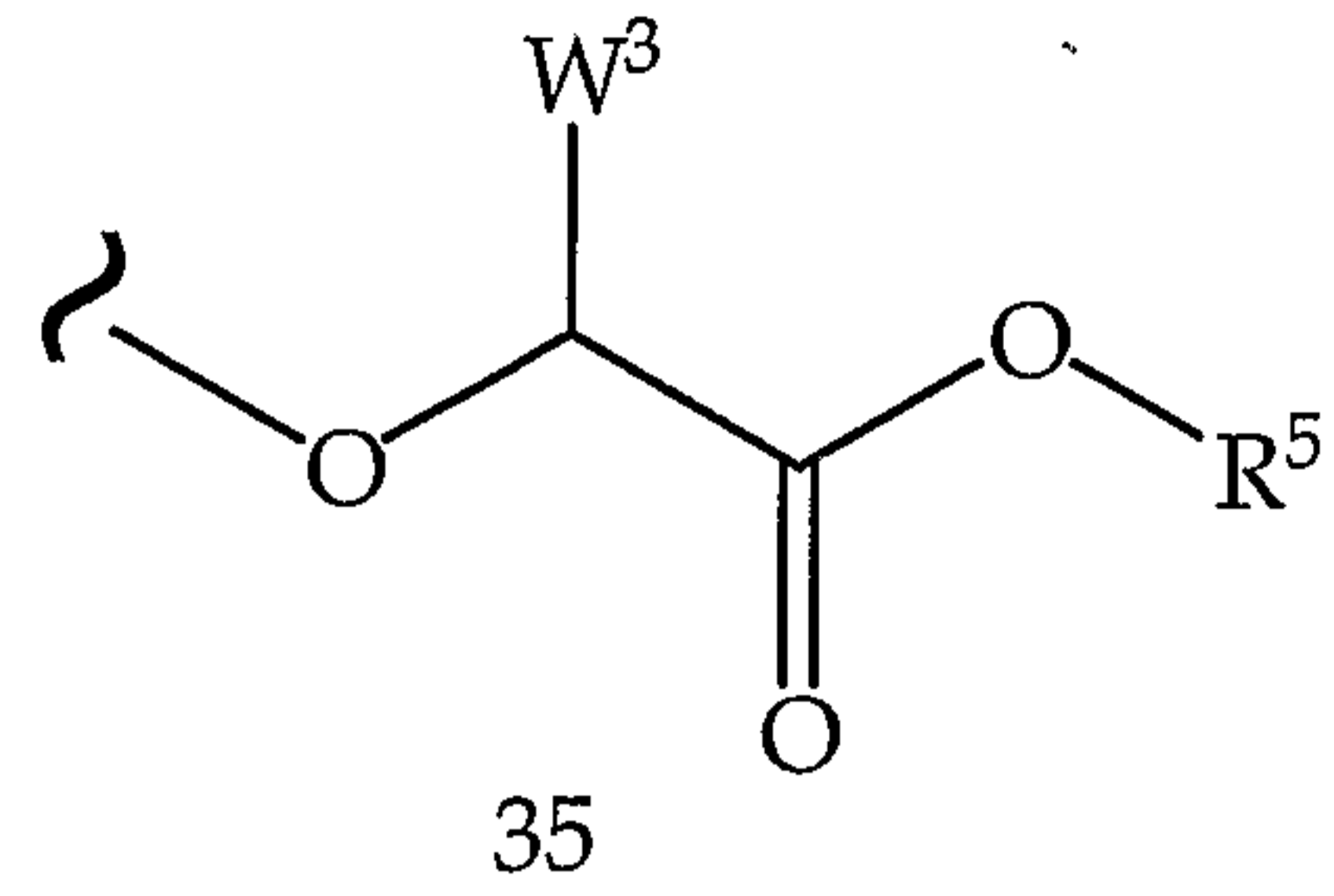
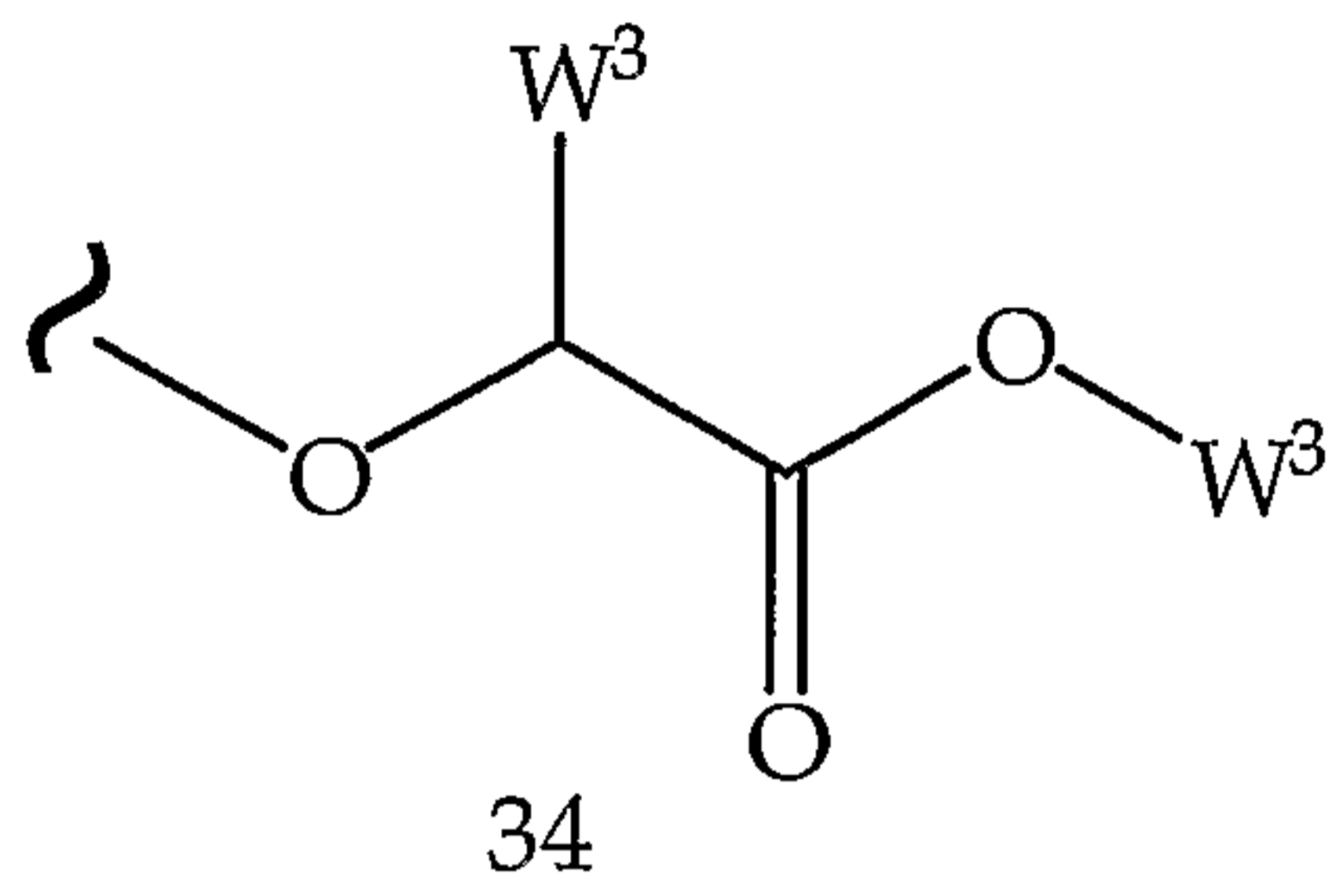
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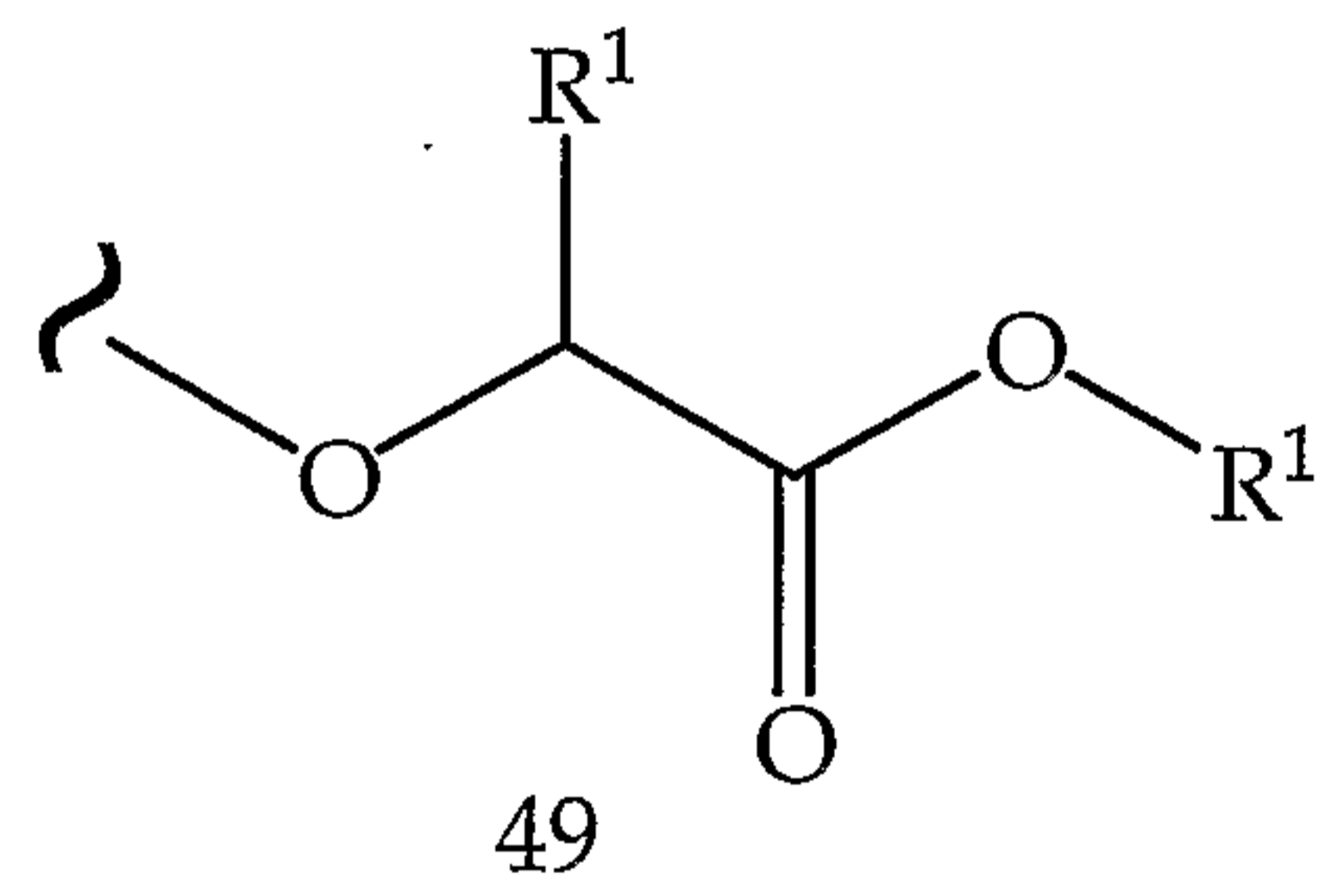
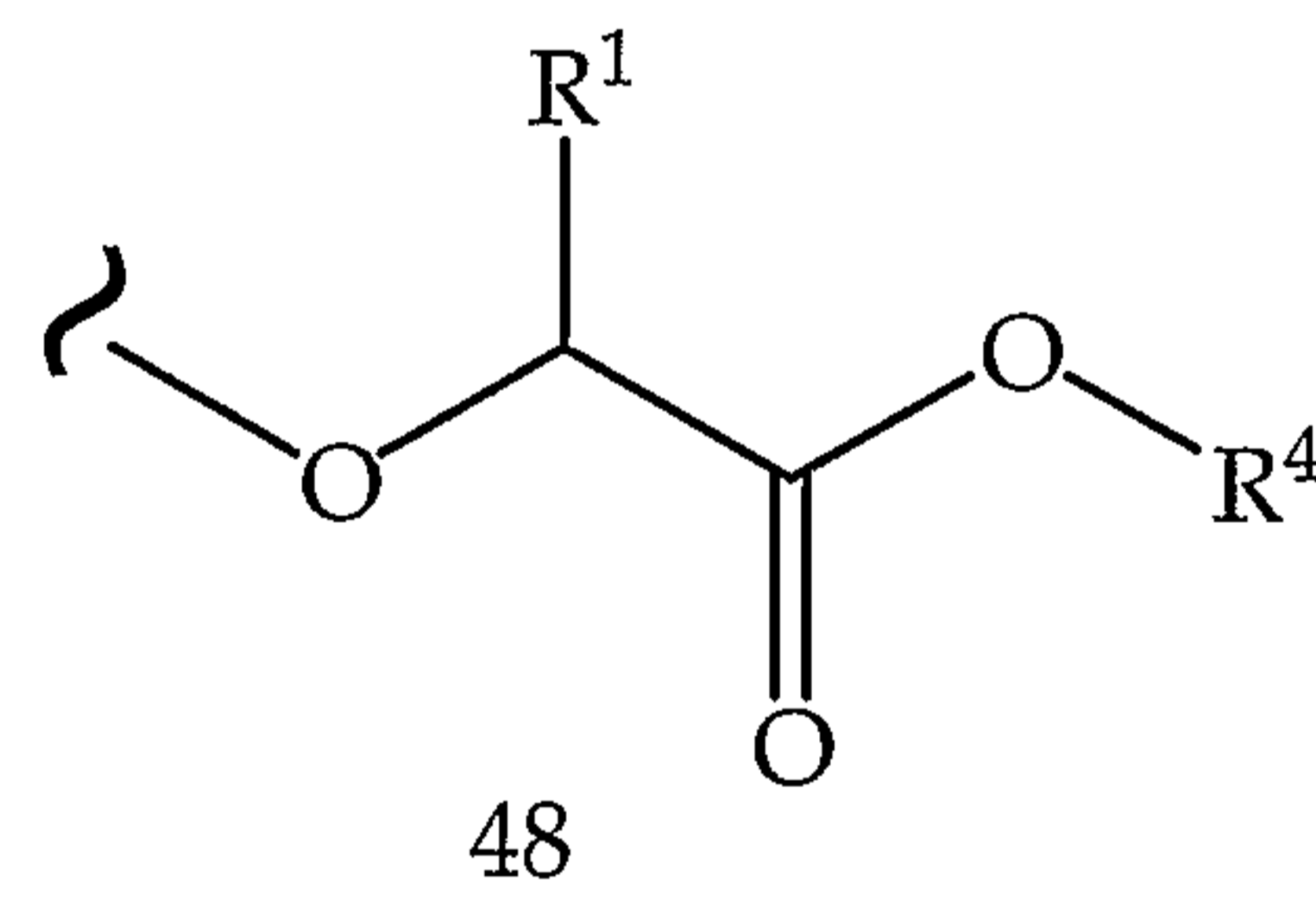
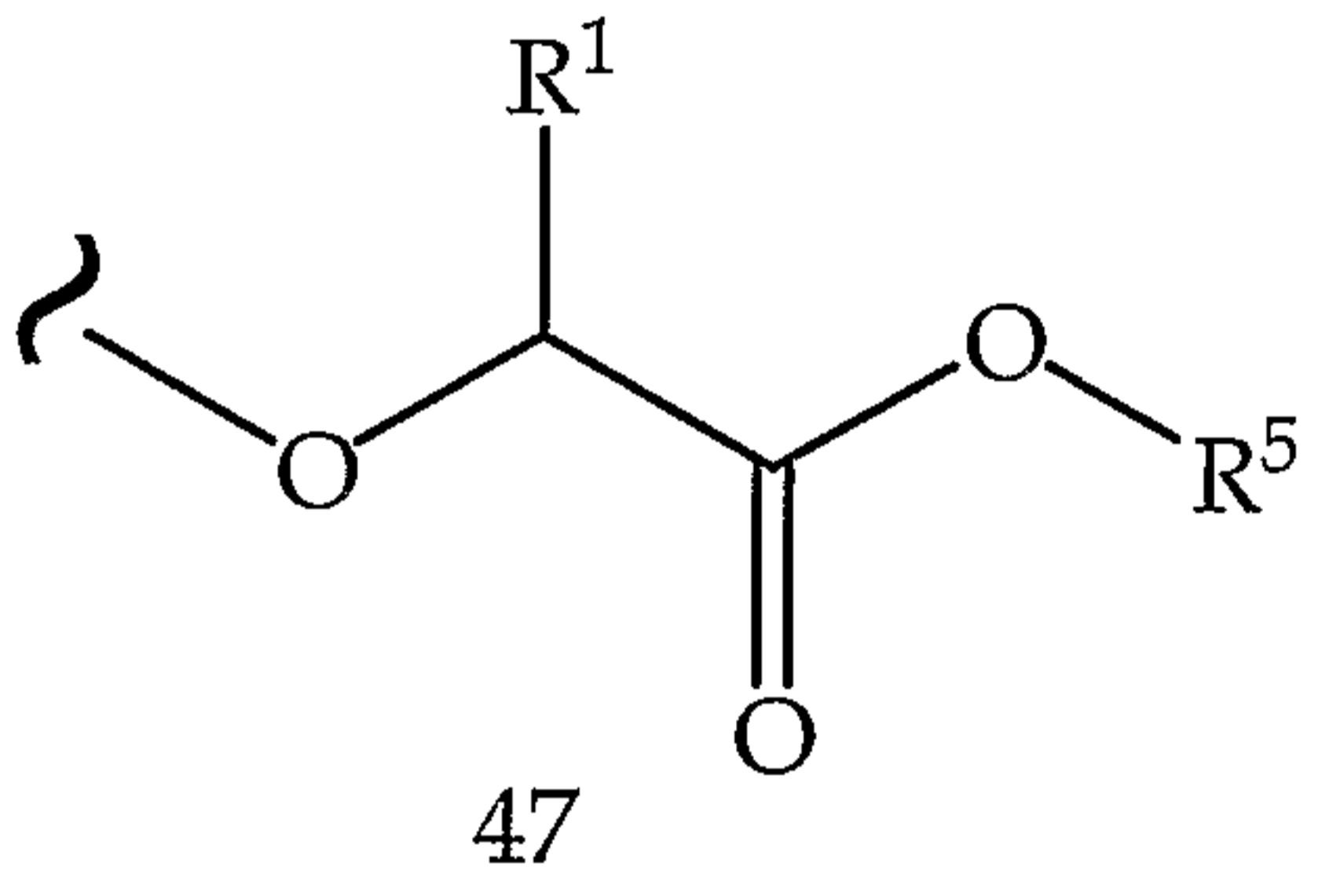
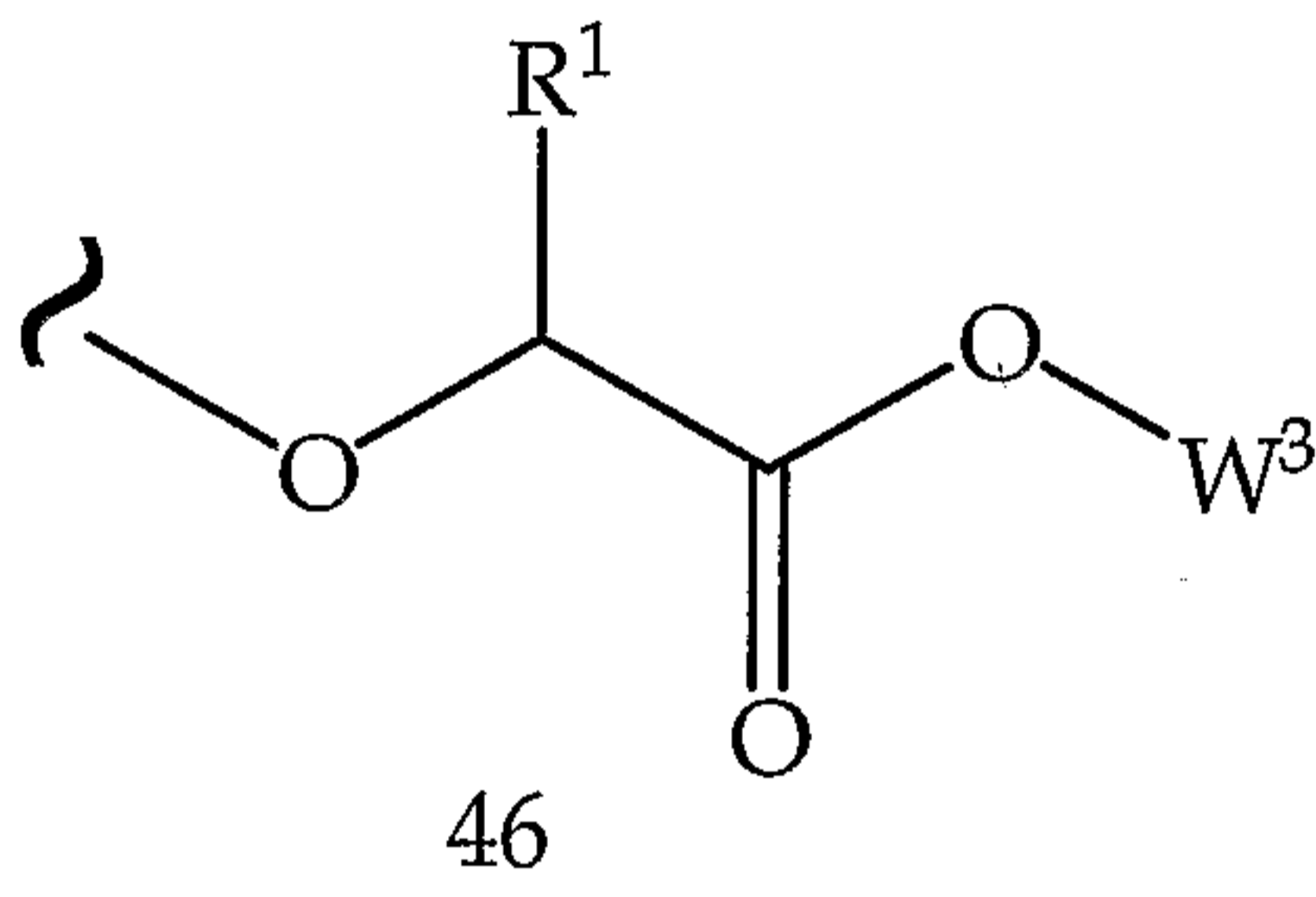
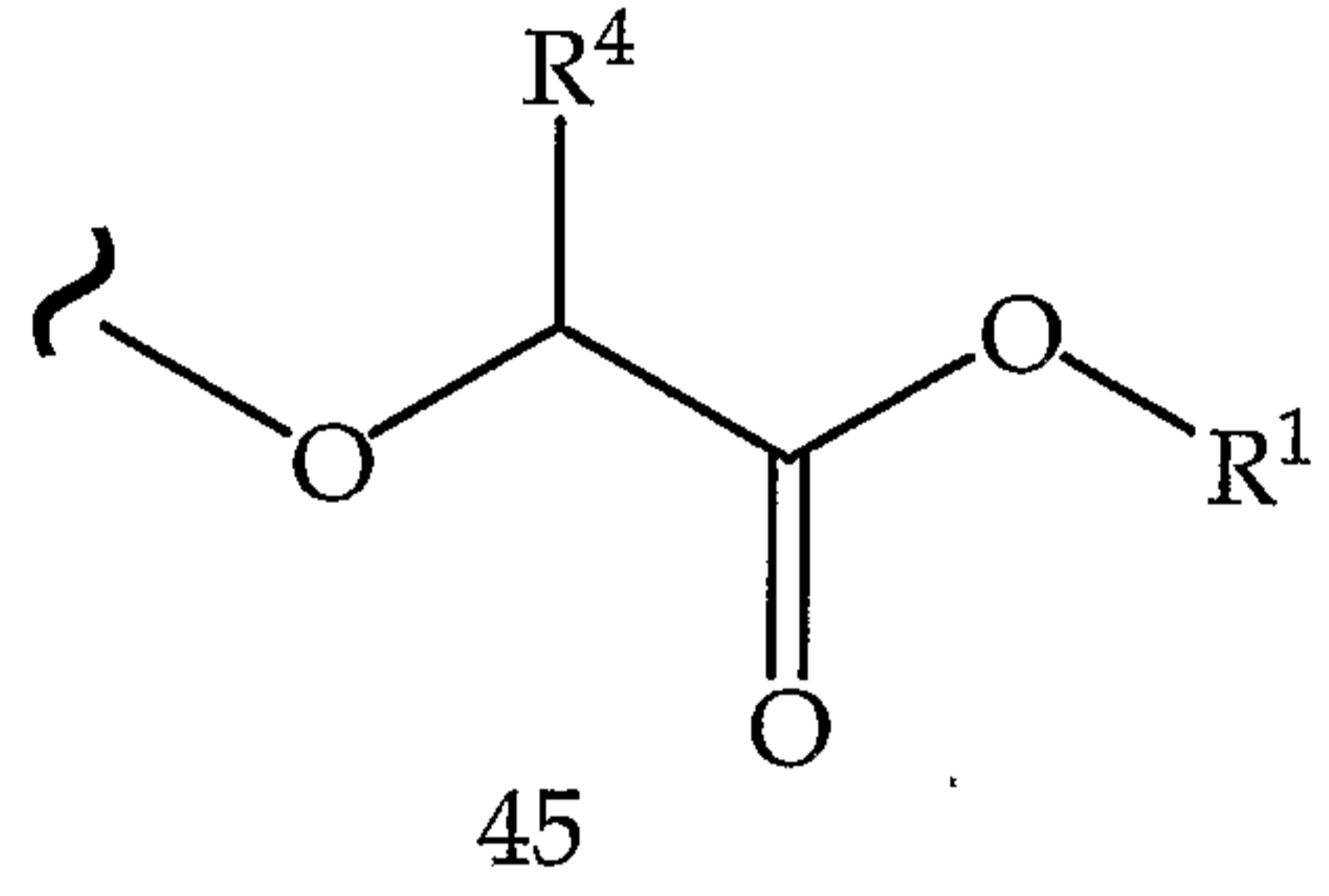
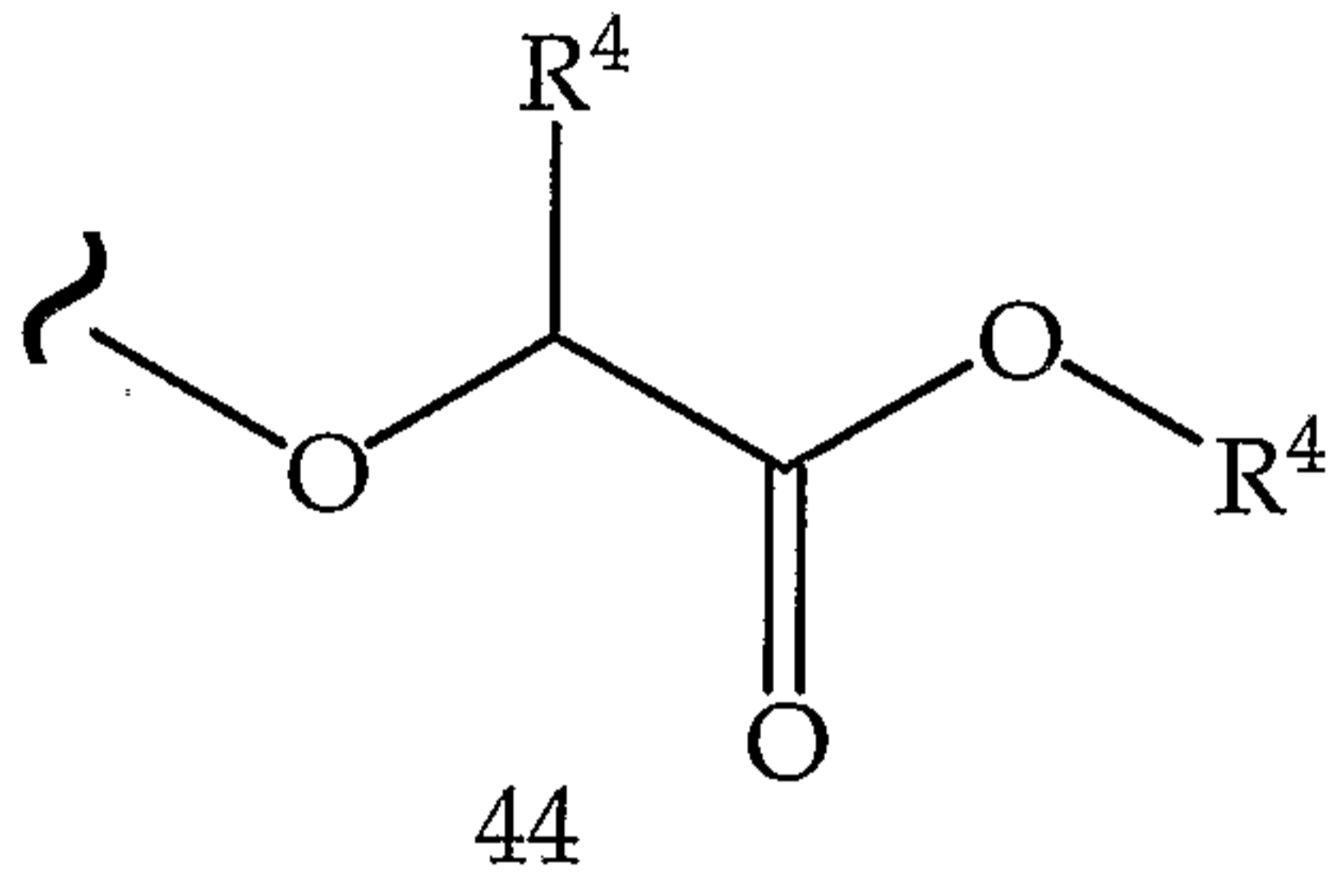
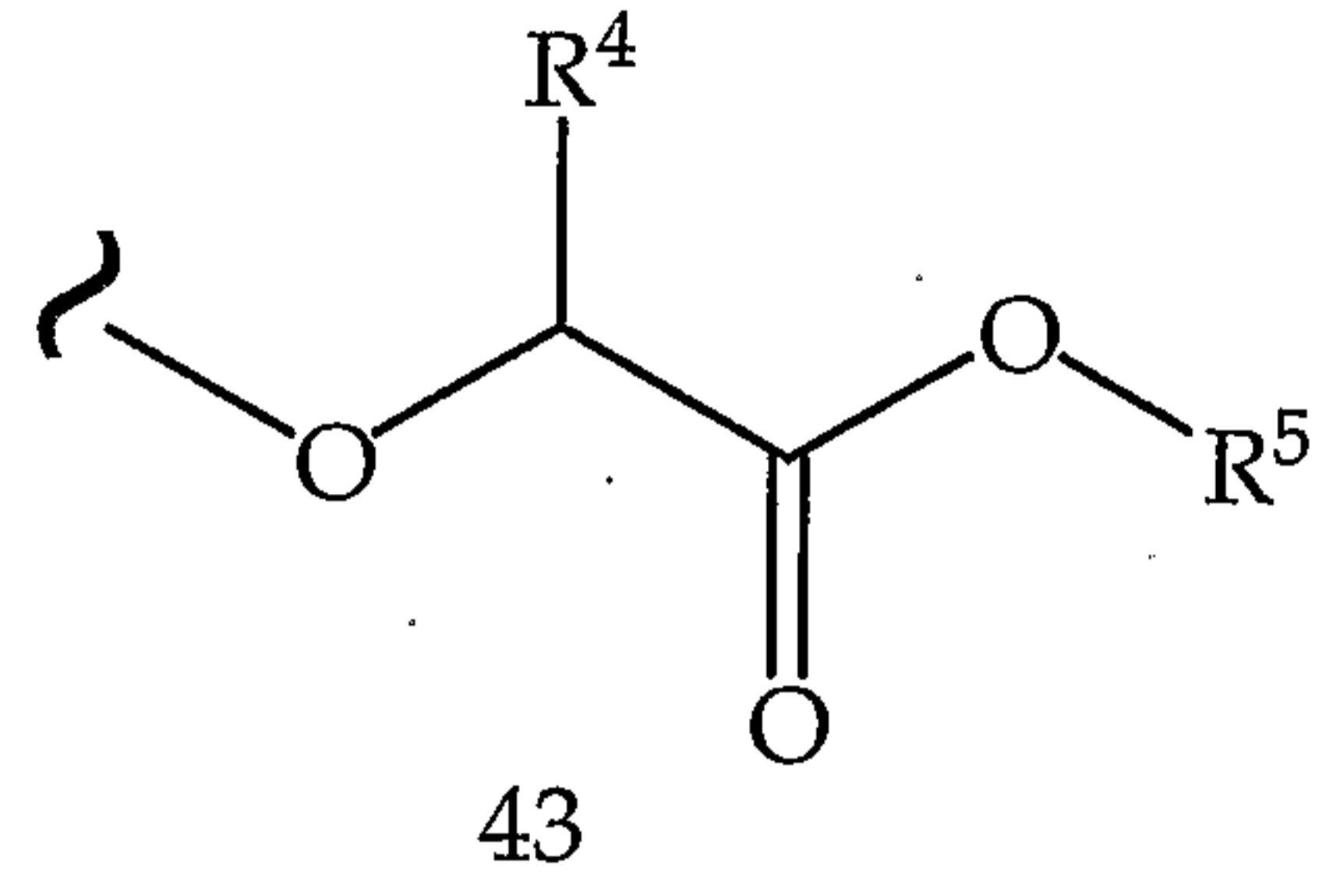
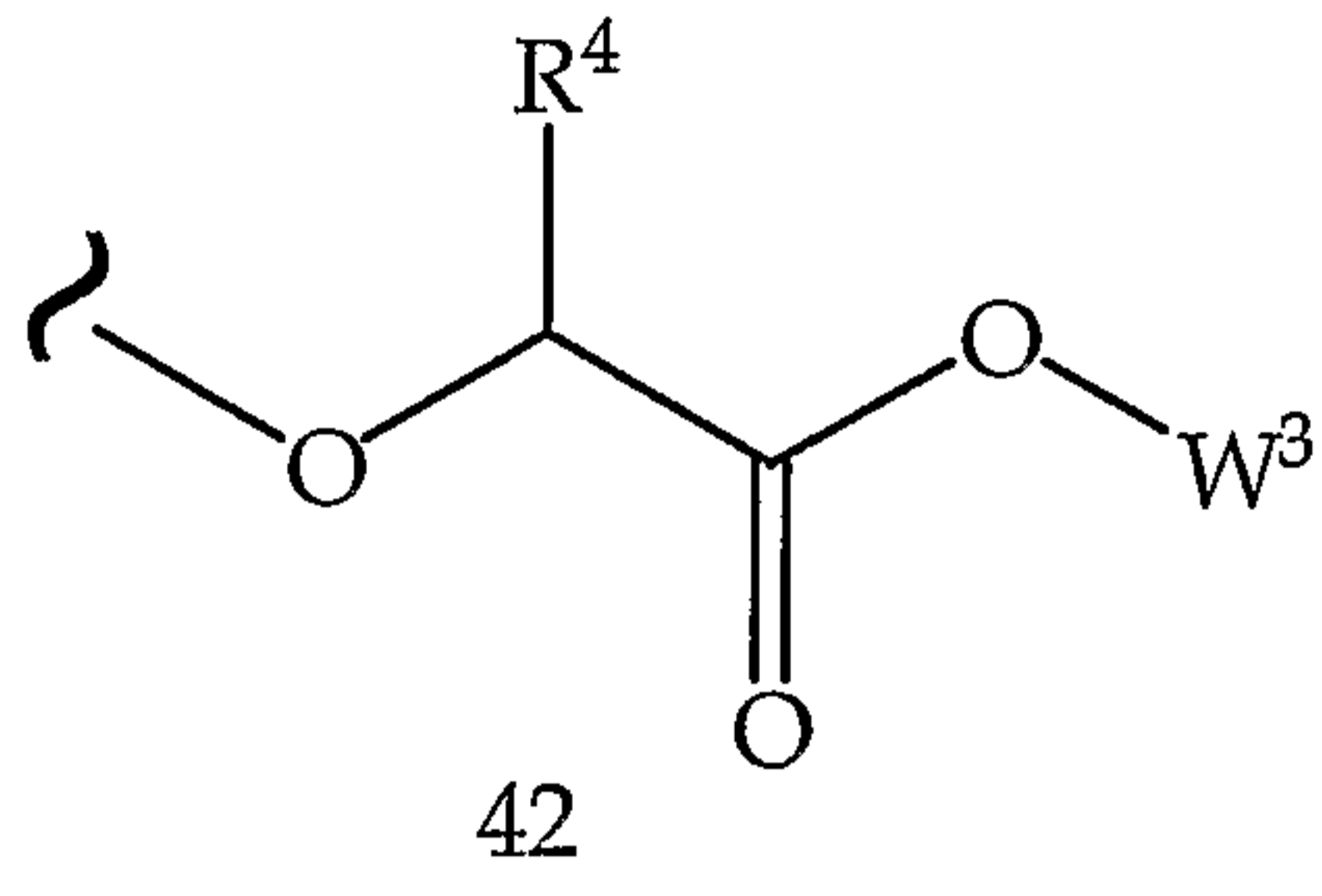
TABLE 20.0

TABLE 20.7

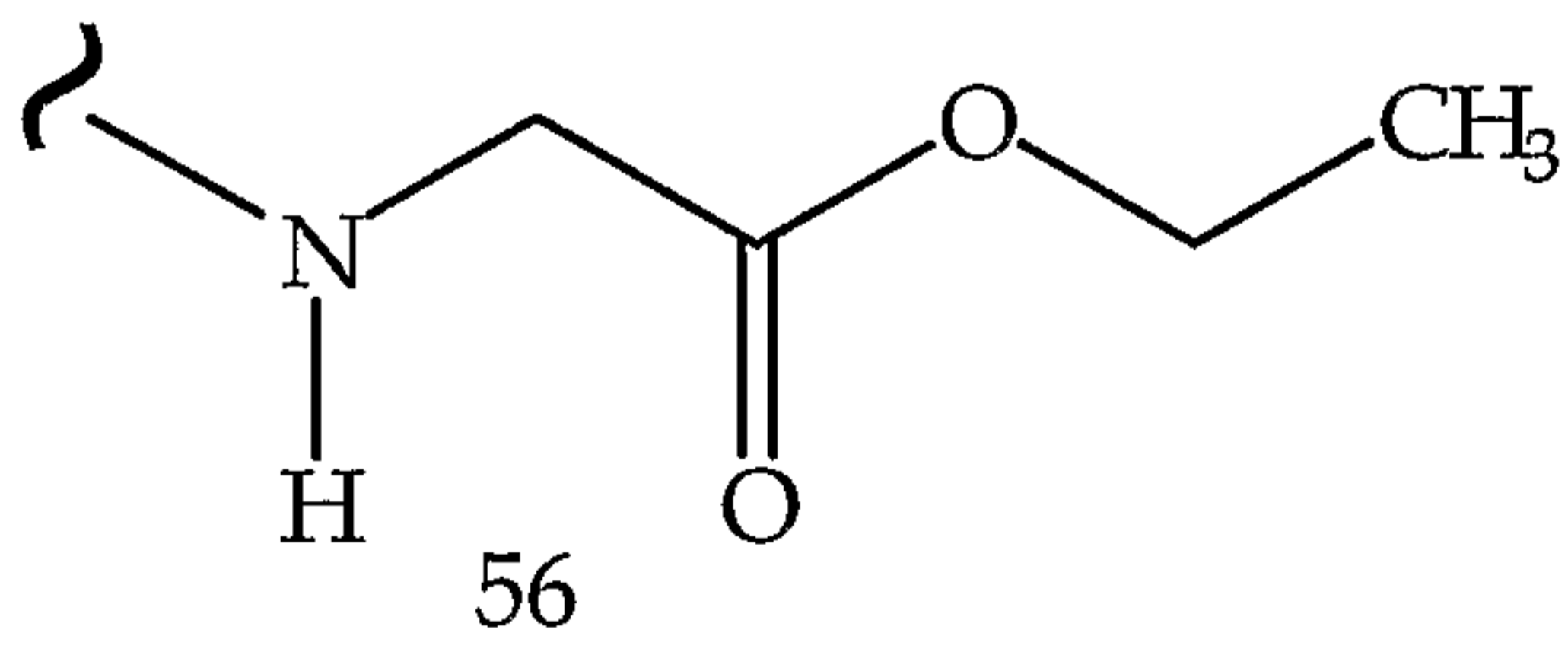
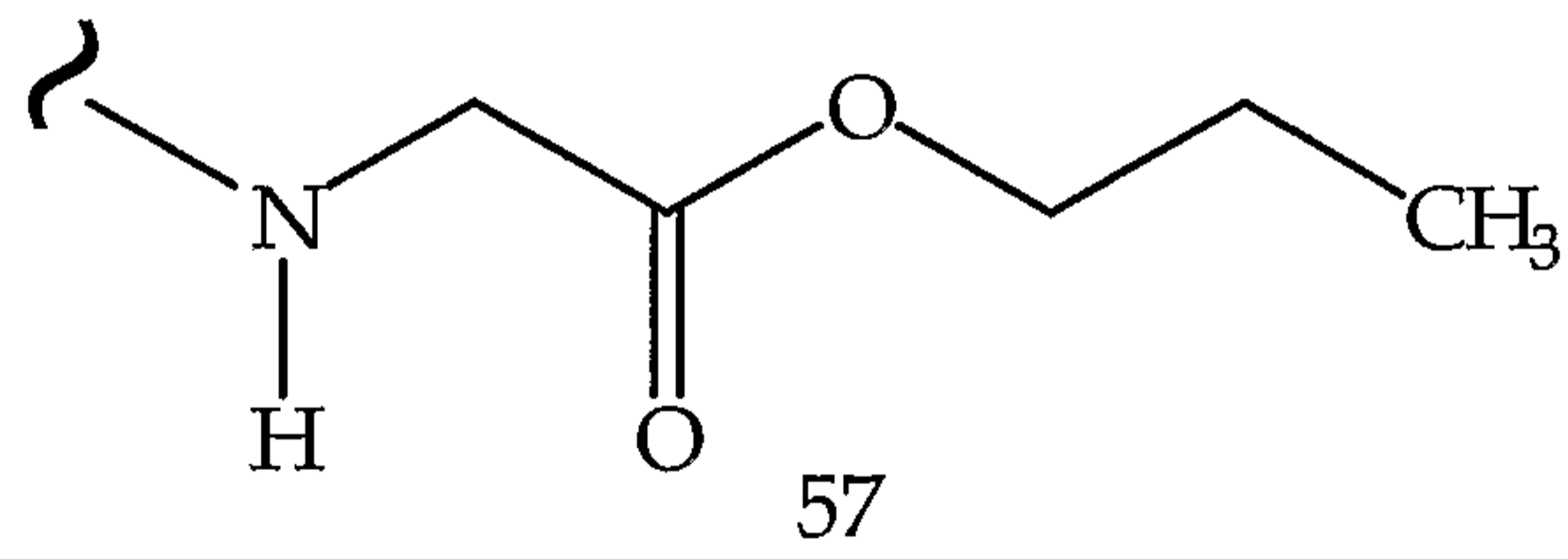
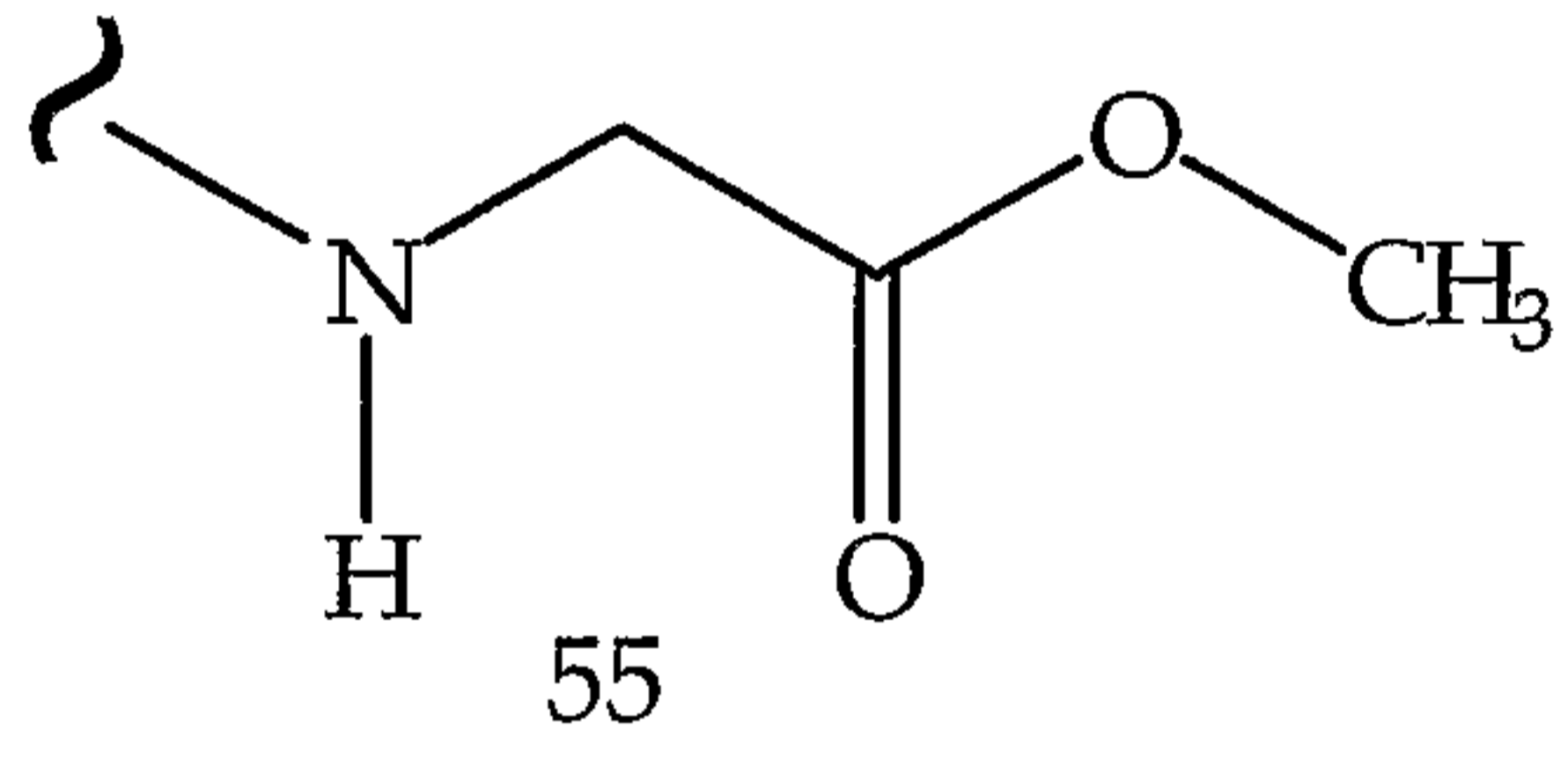
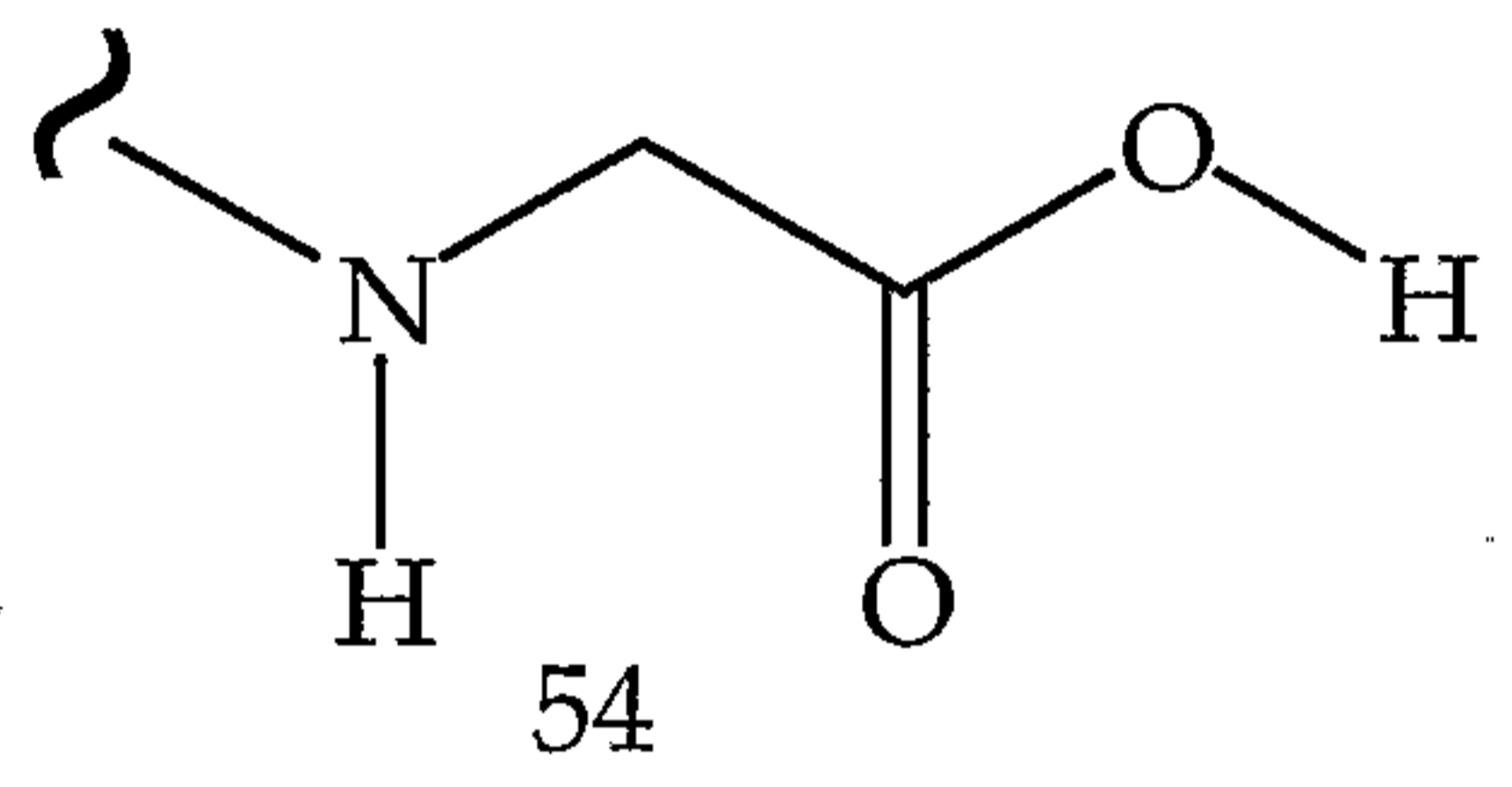
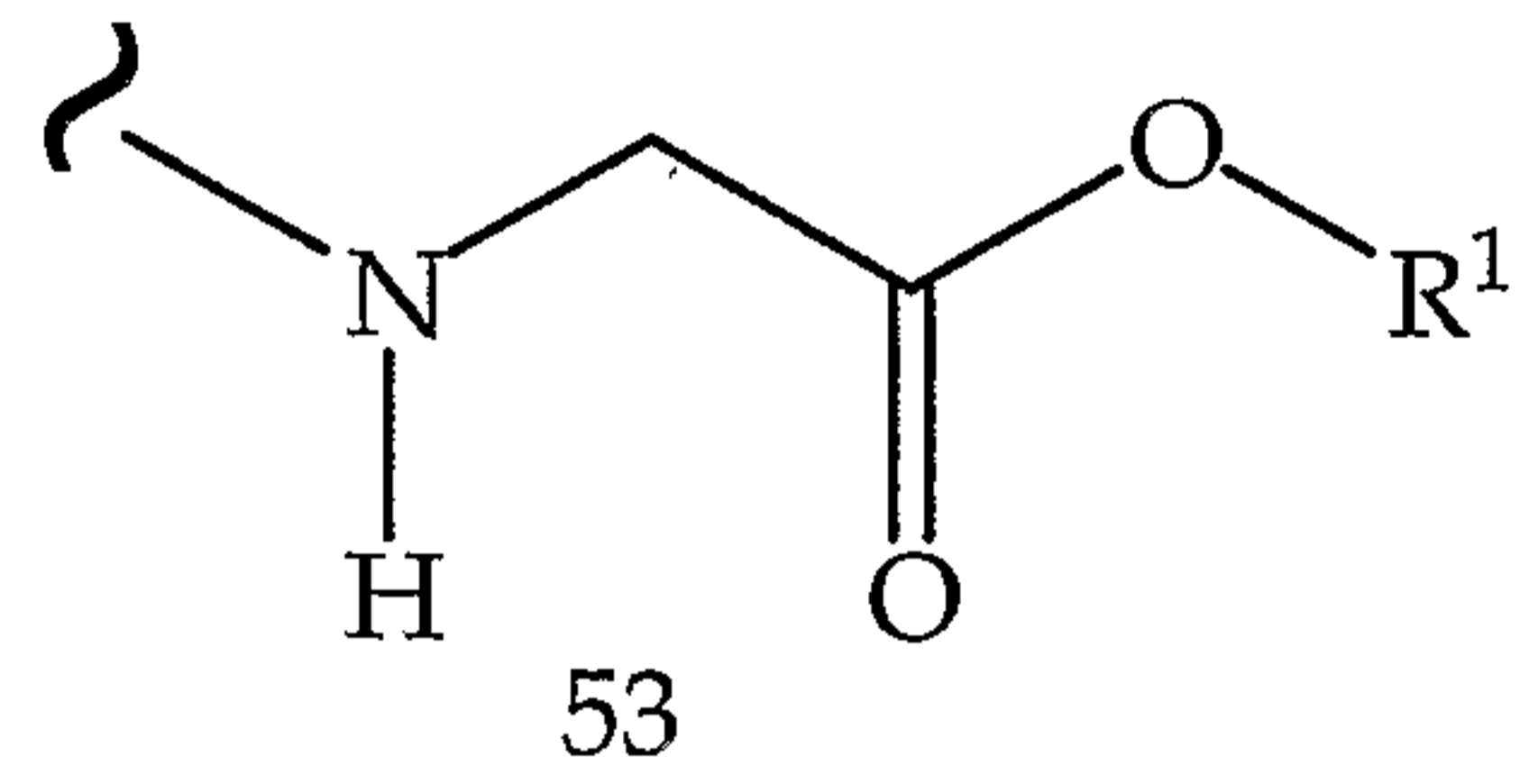
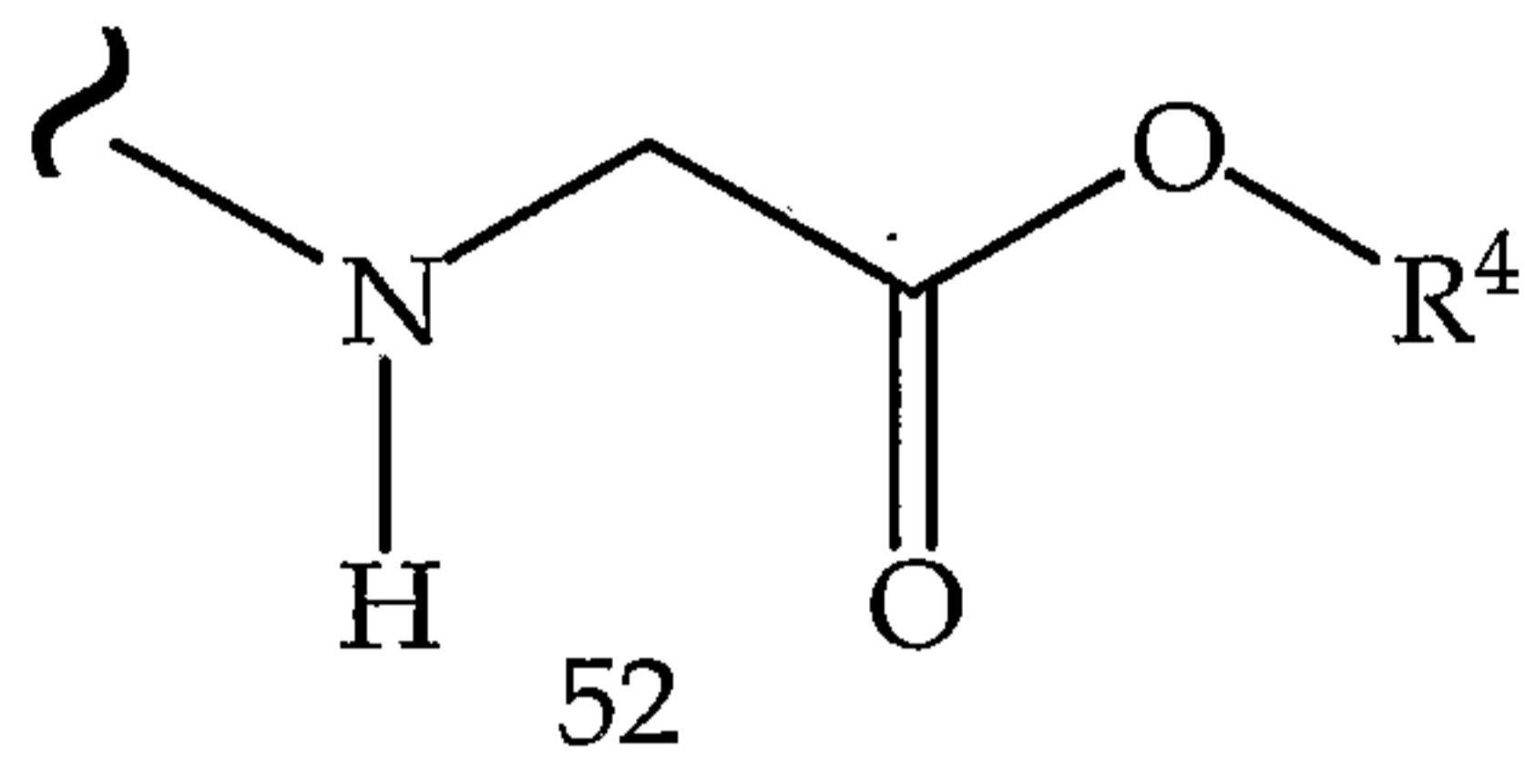
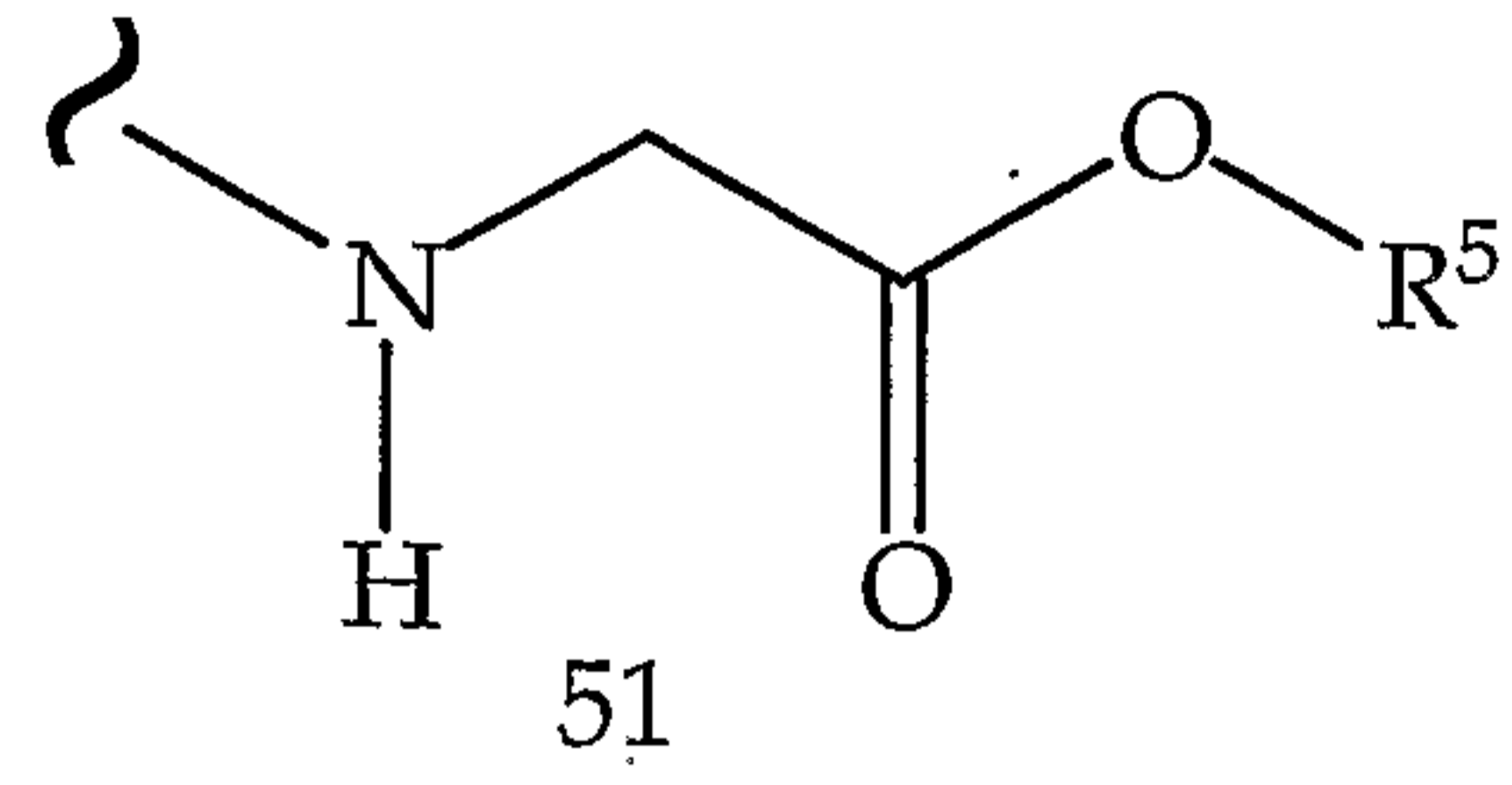
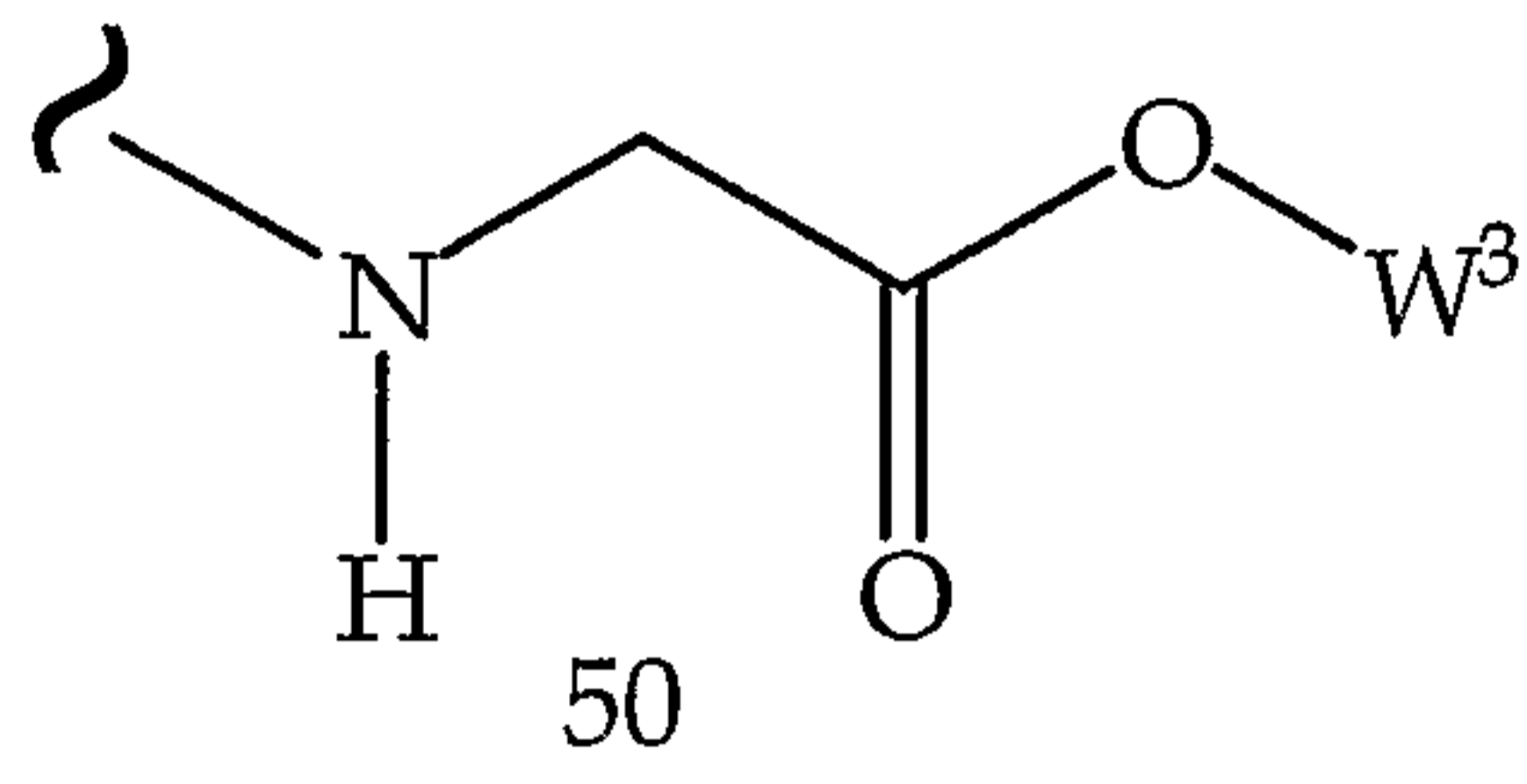


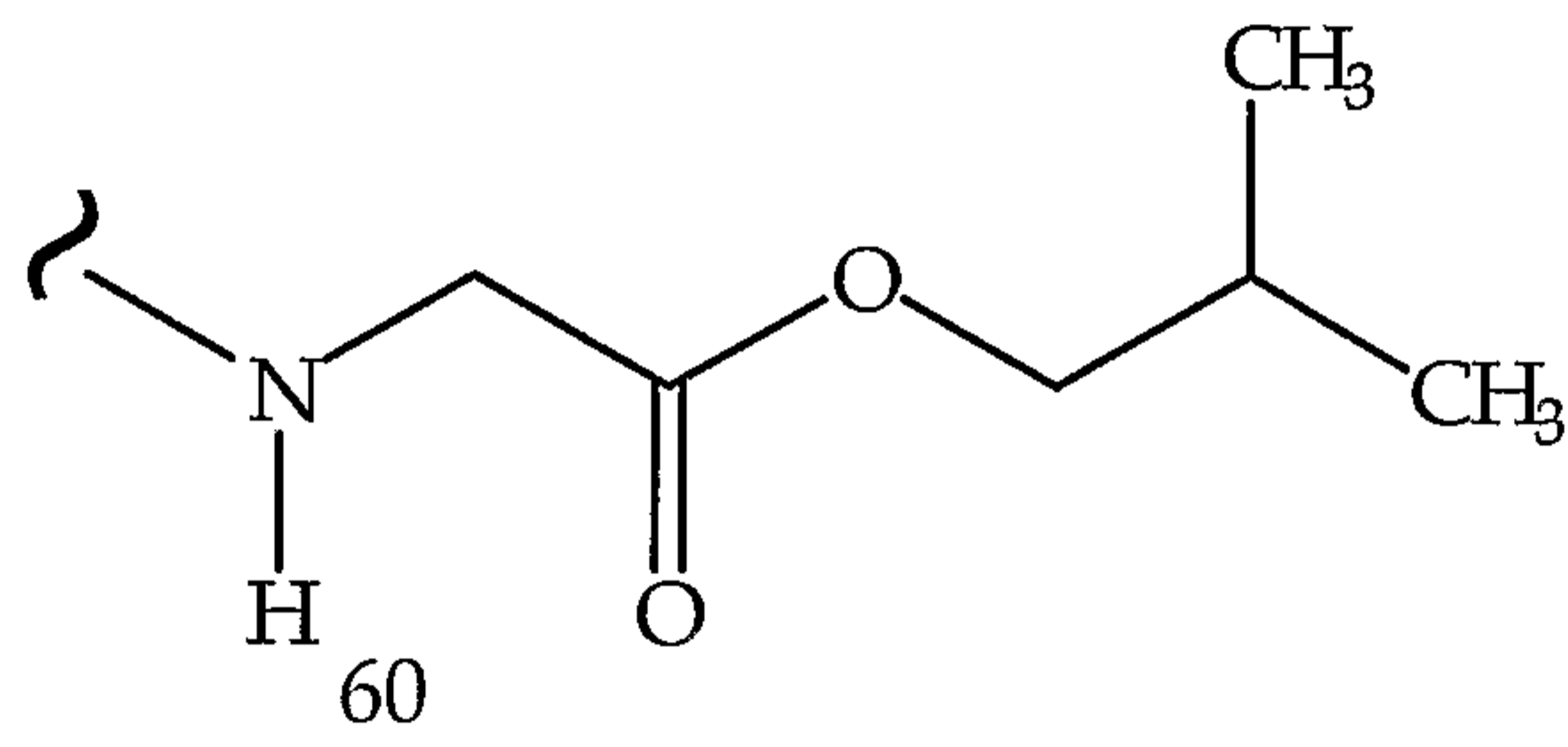
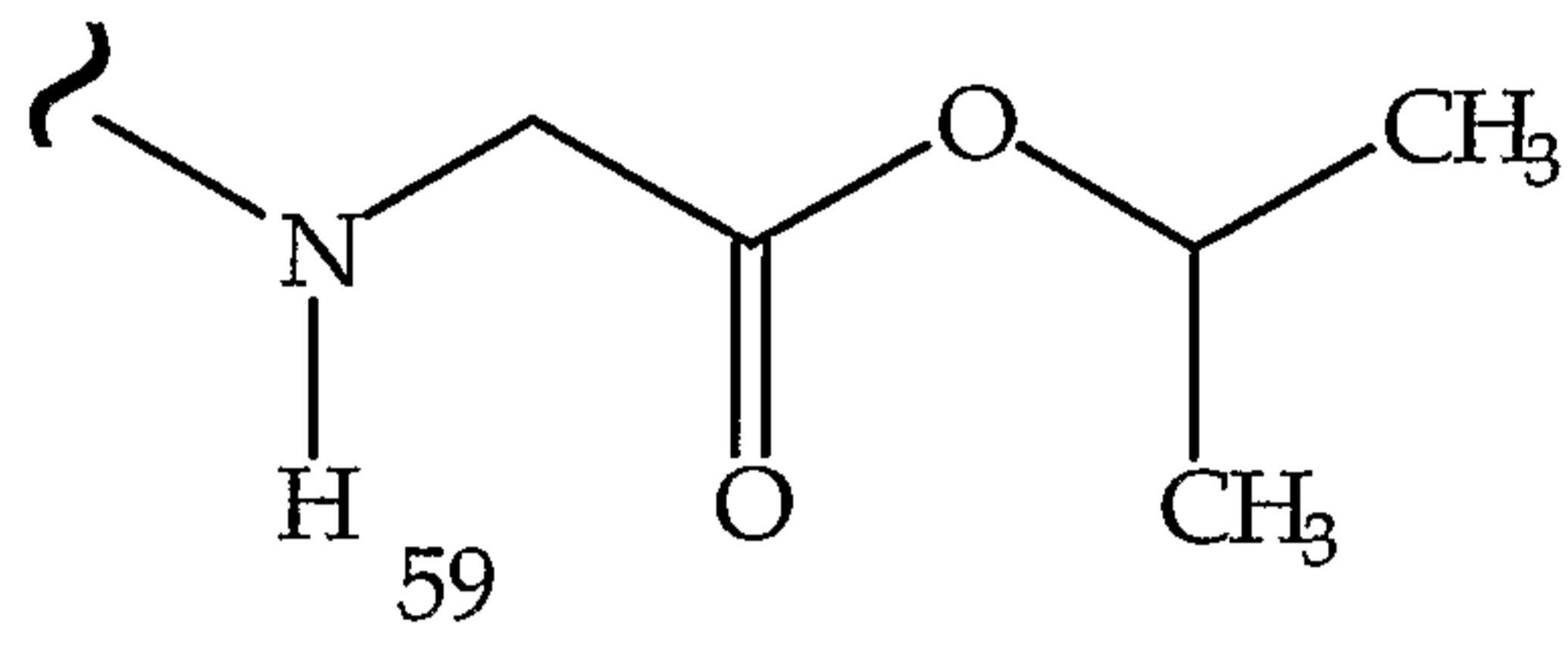
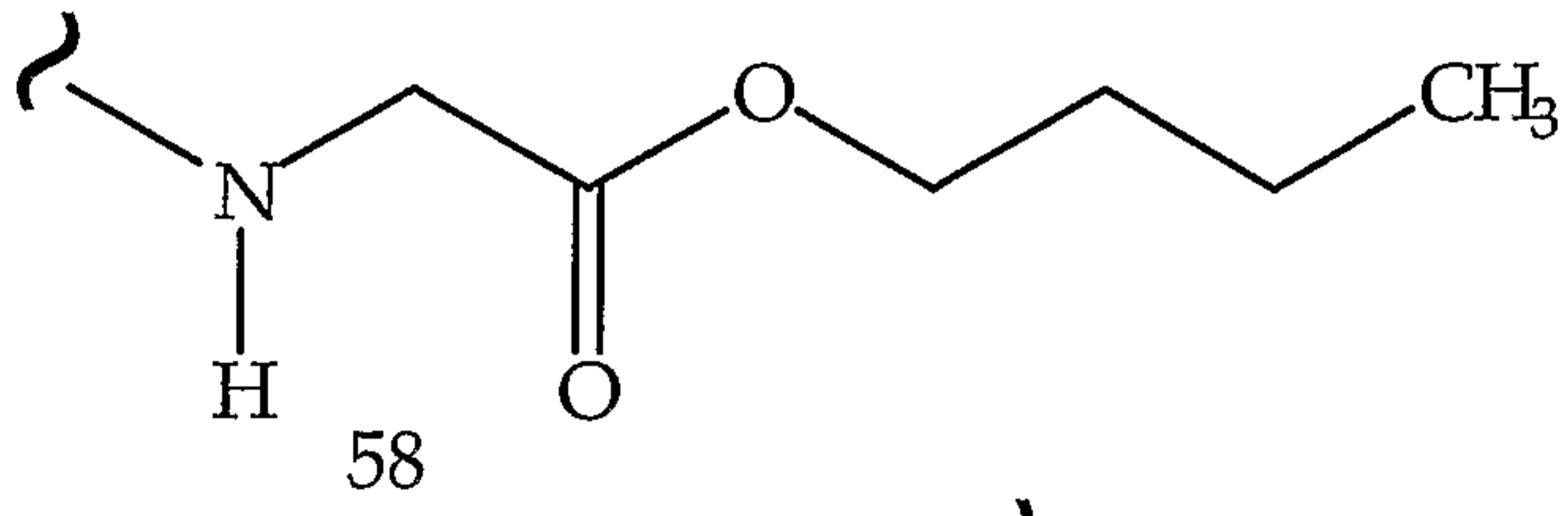
TABLE 20.10

TABLE 20.11

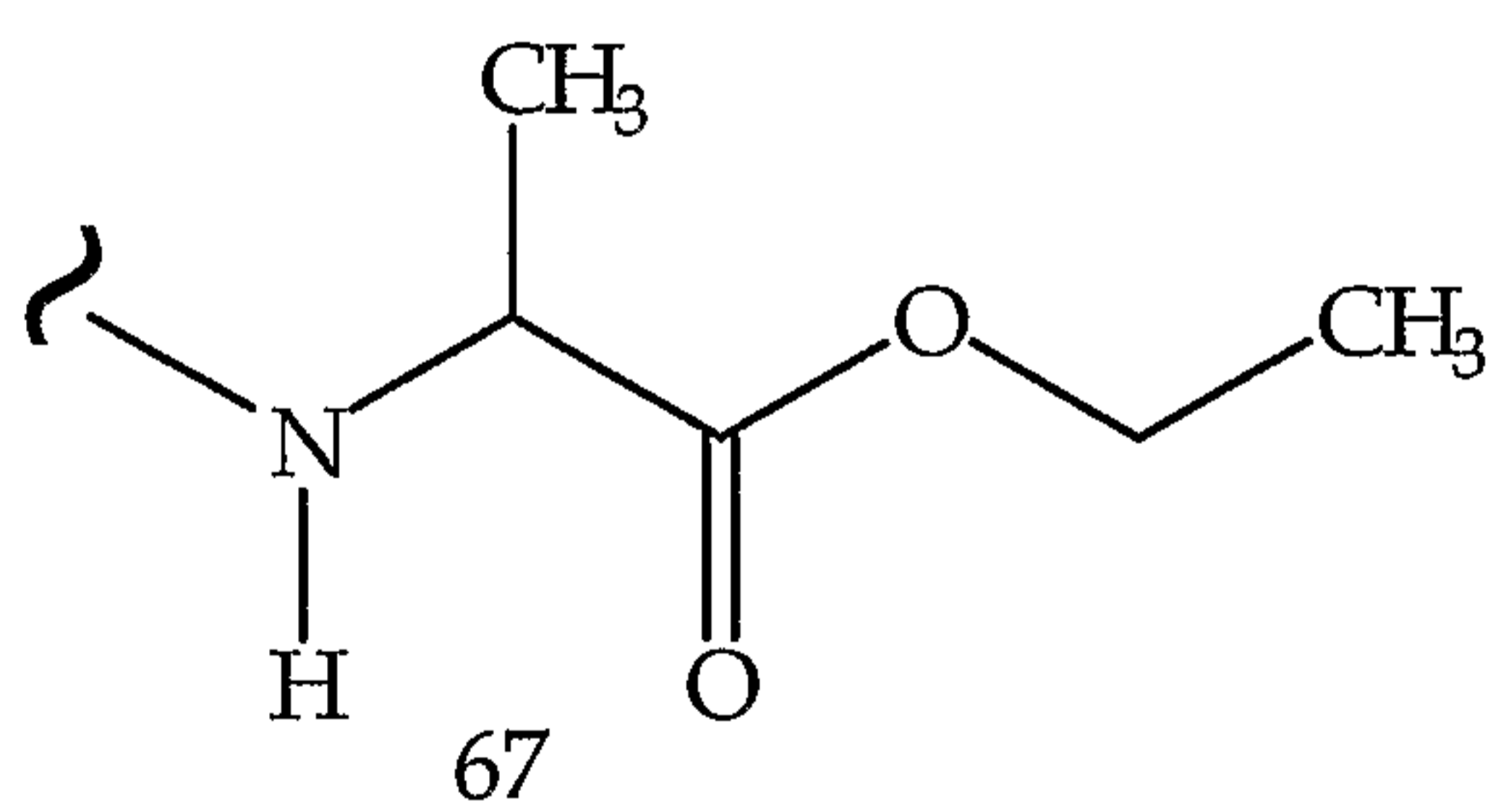
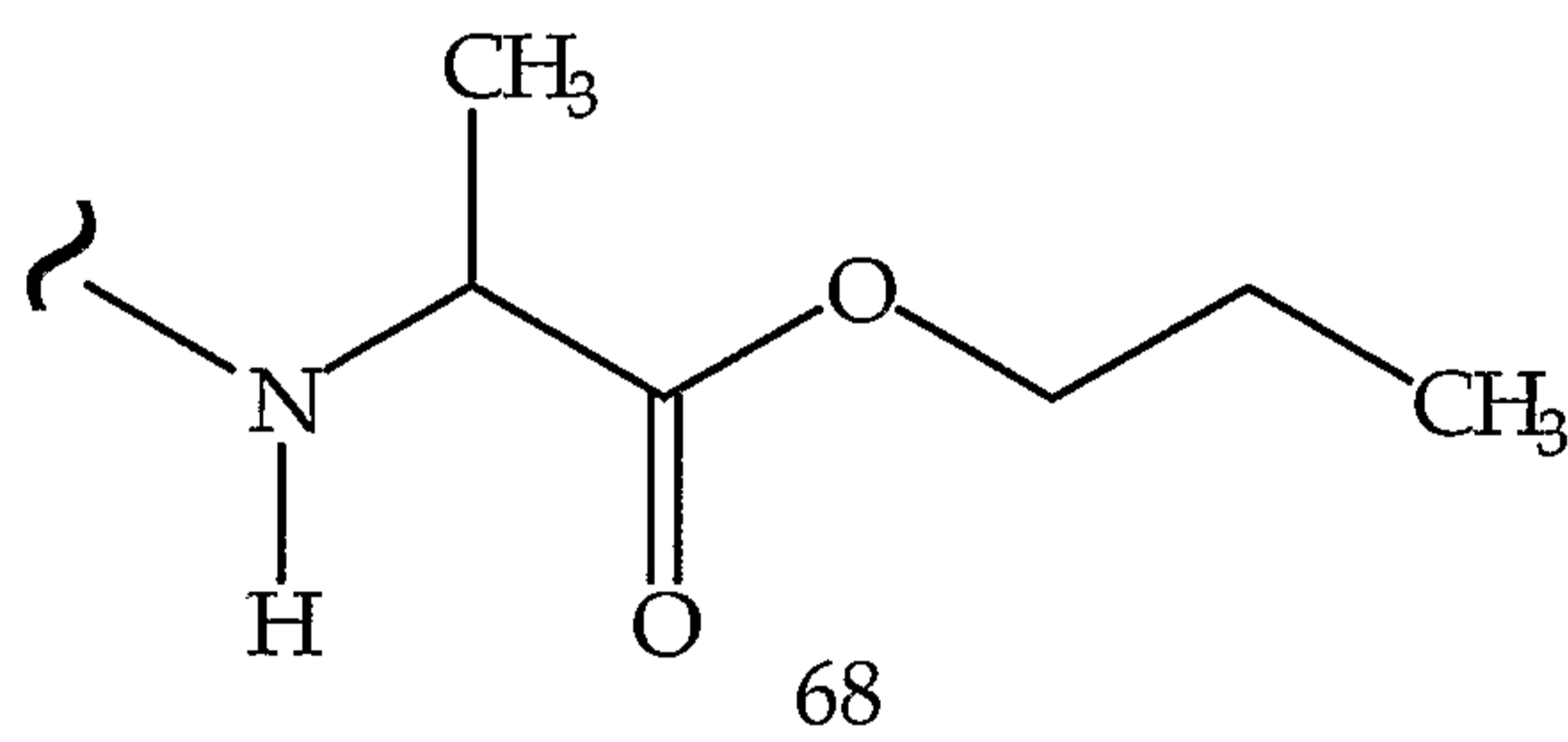
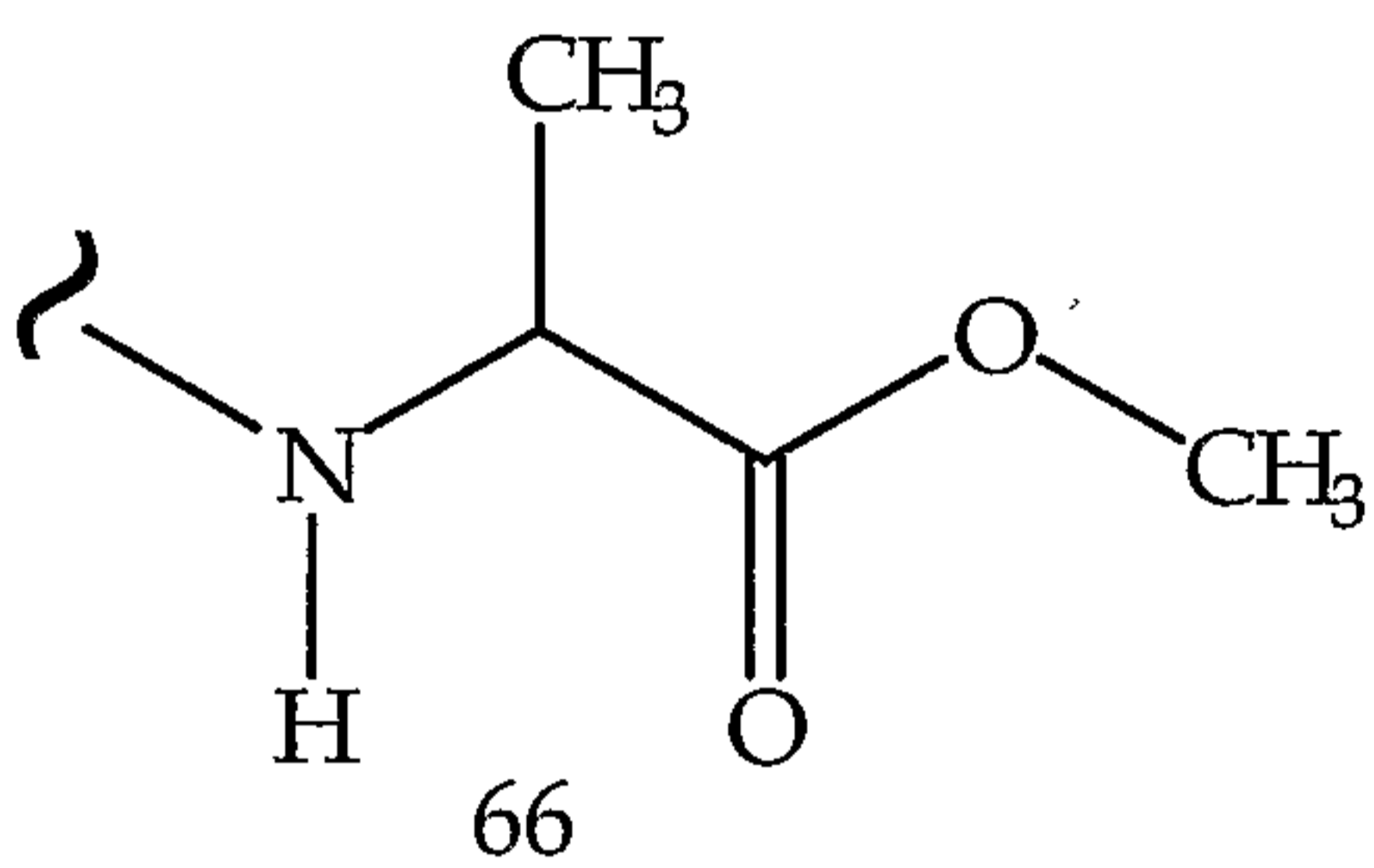
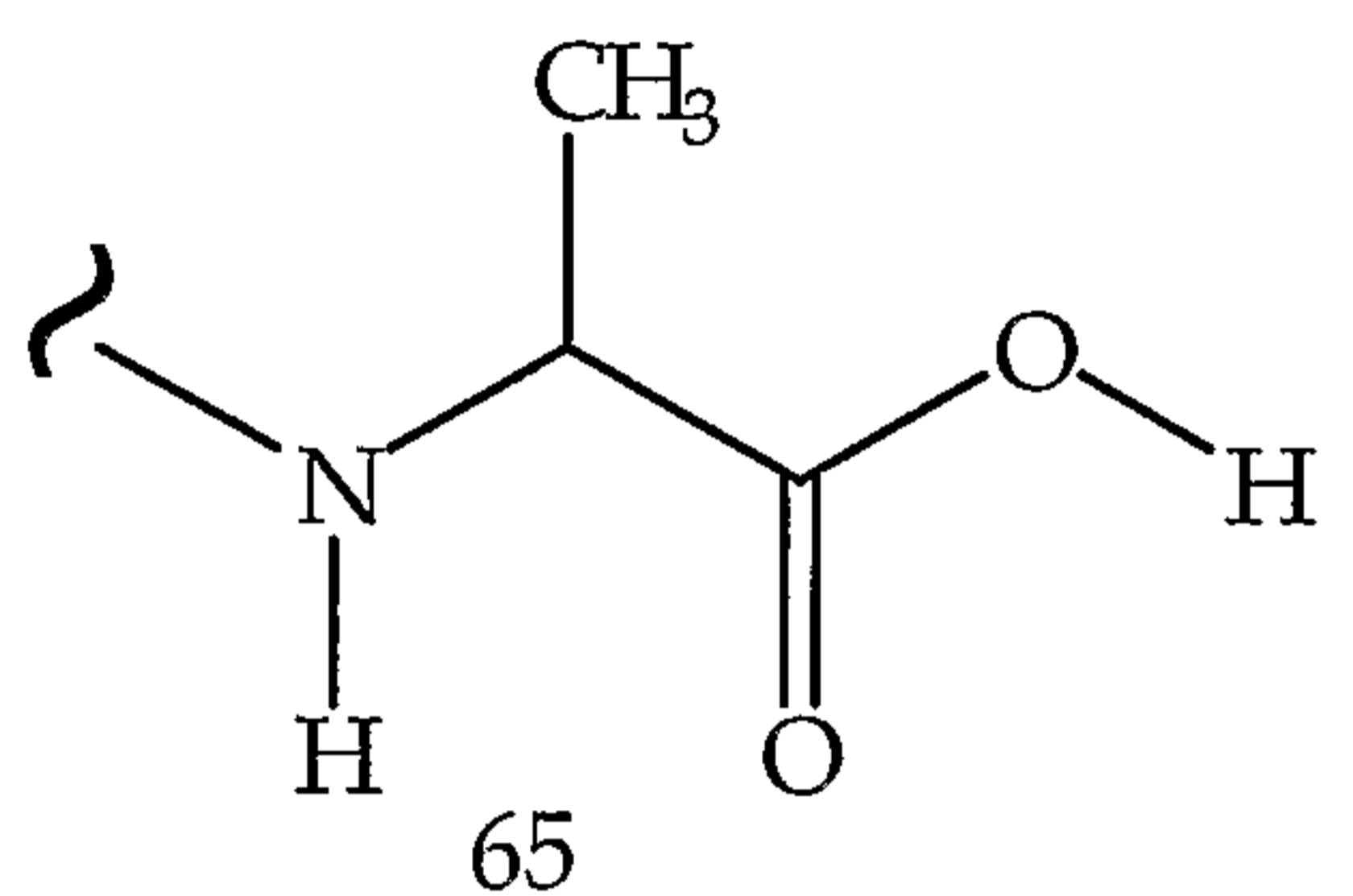
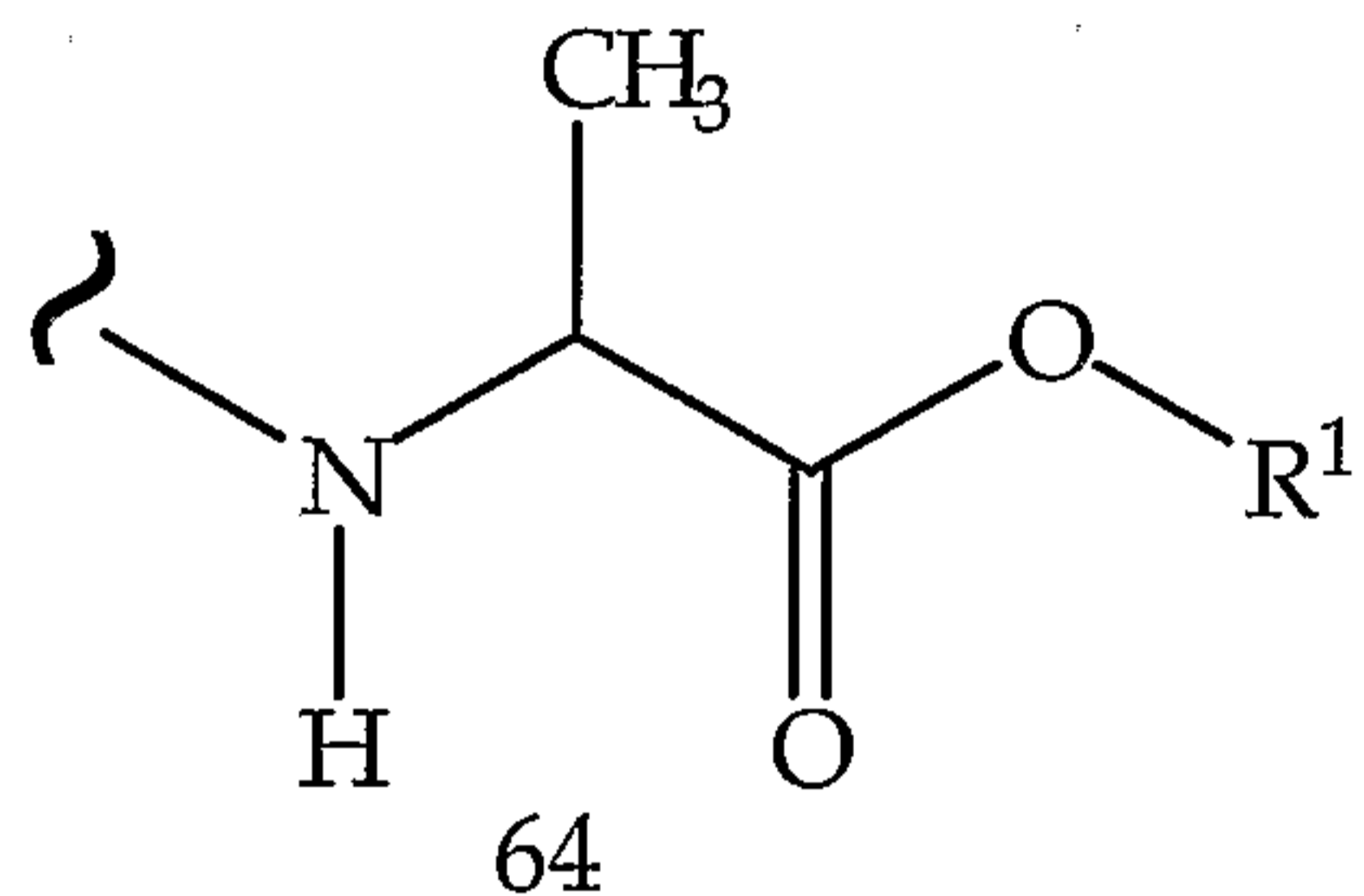
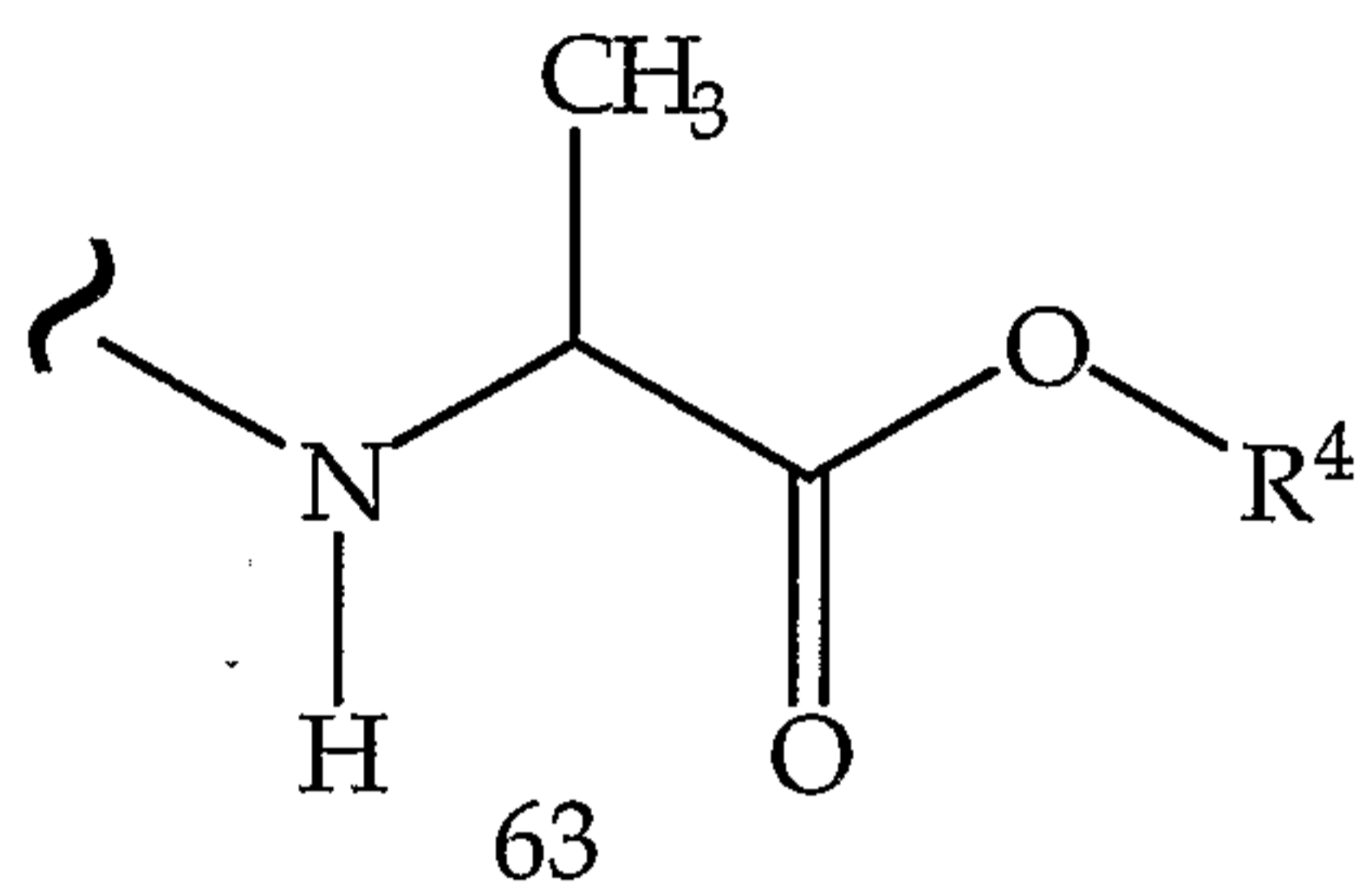
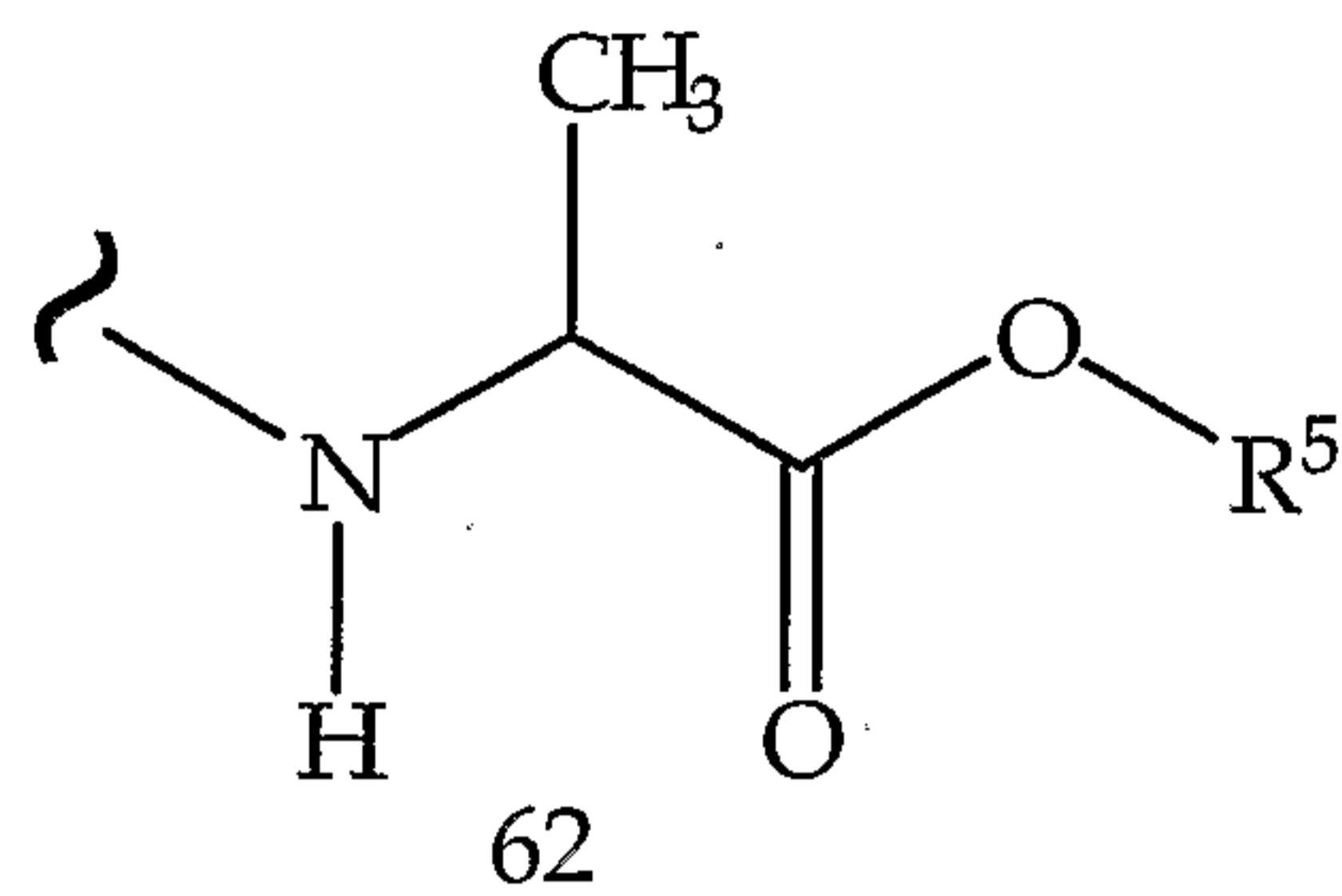
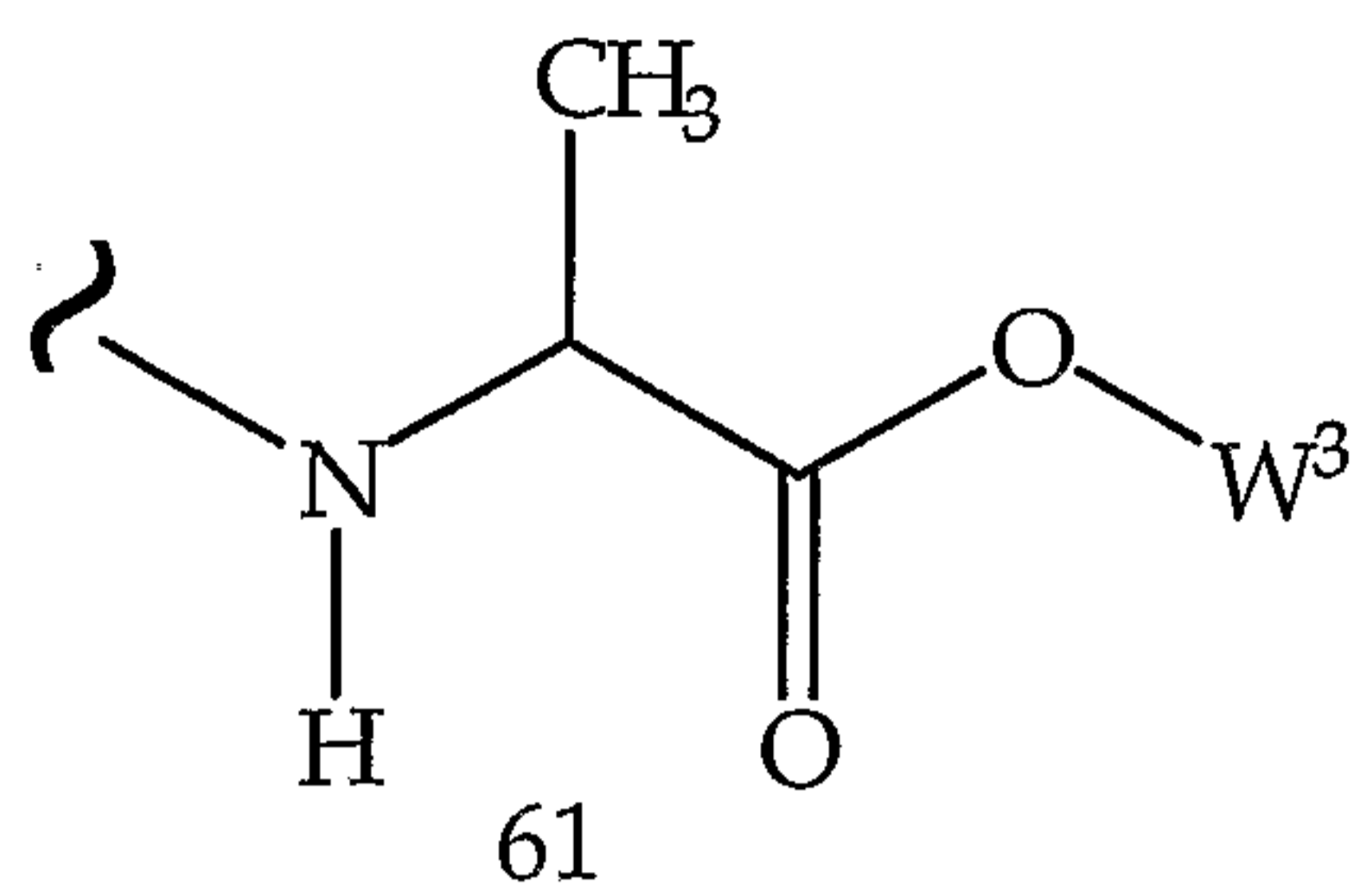




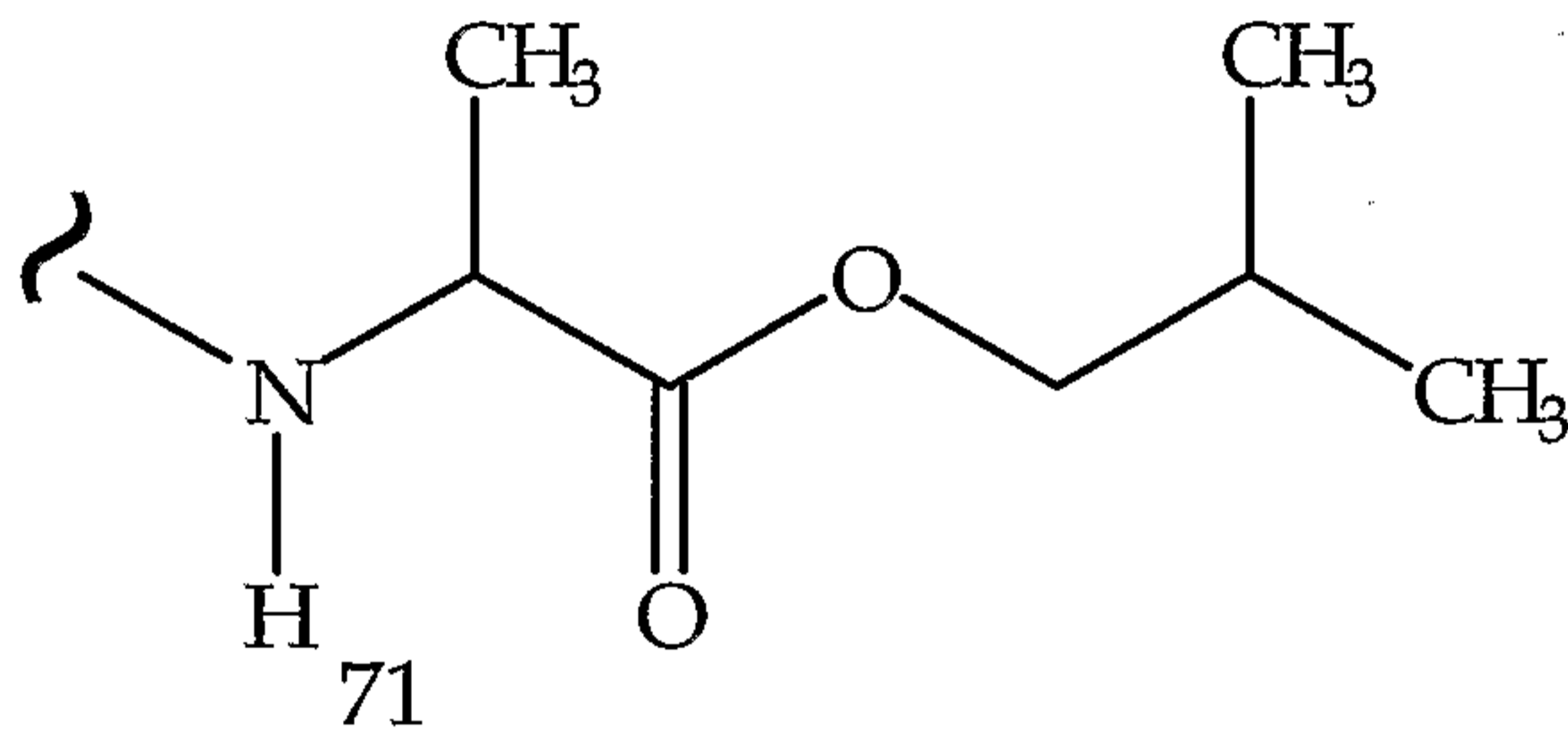
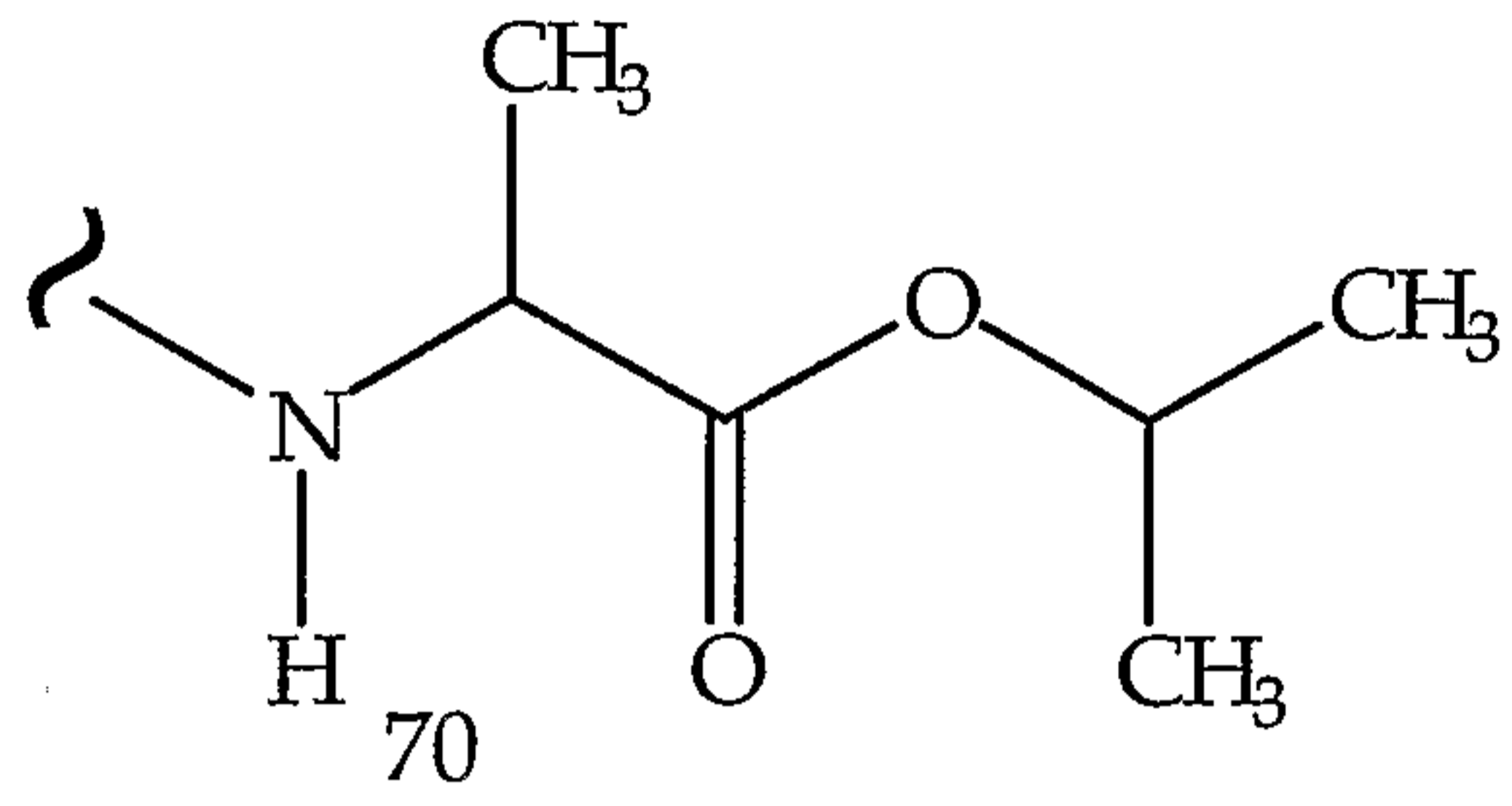
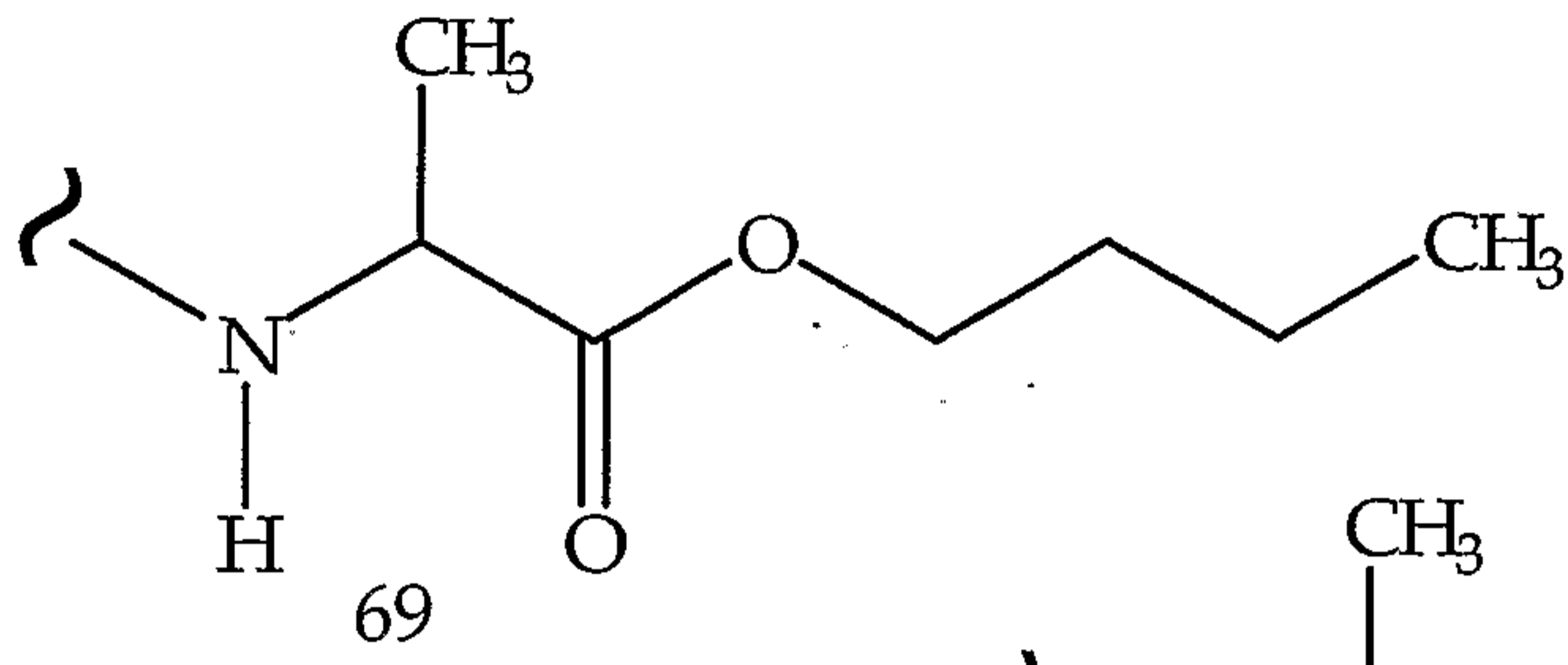
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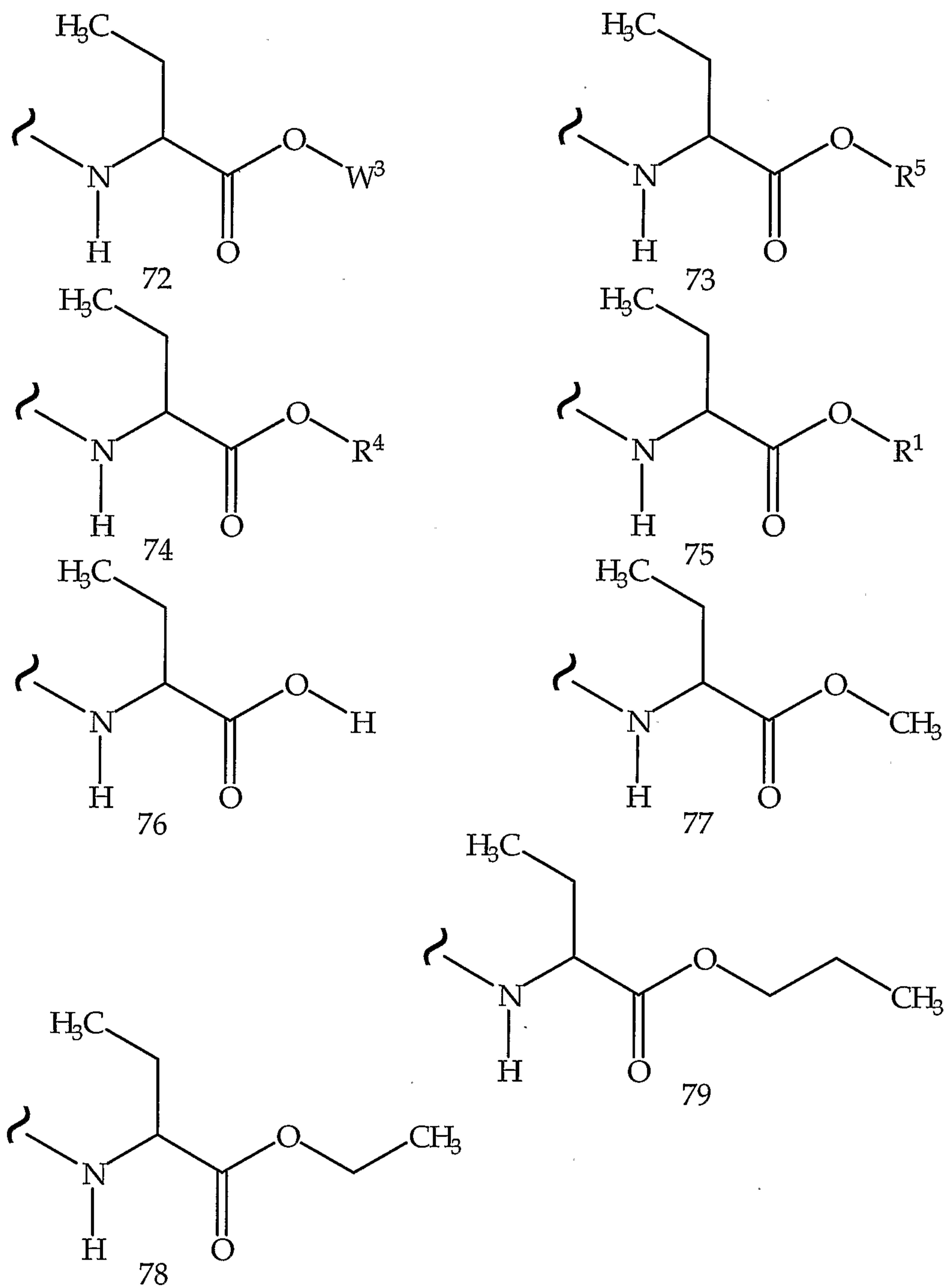
FIGURE 20.10

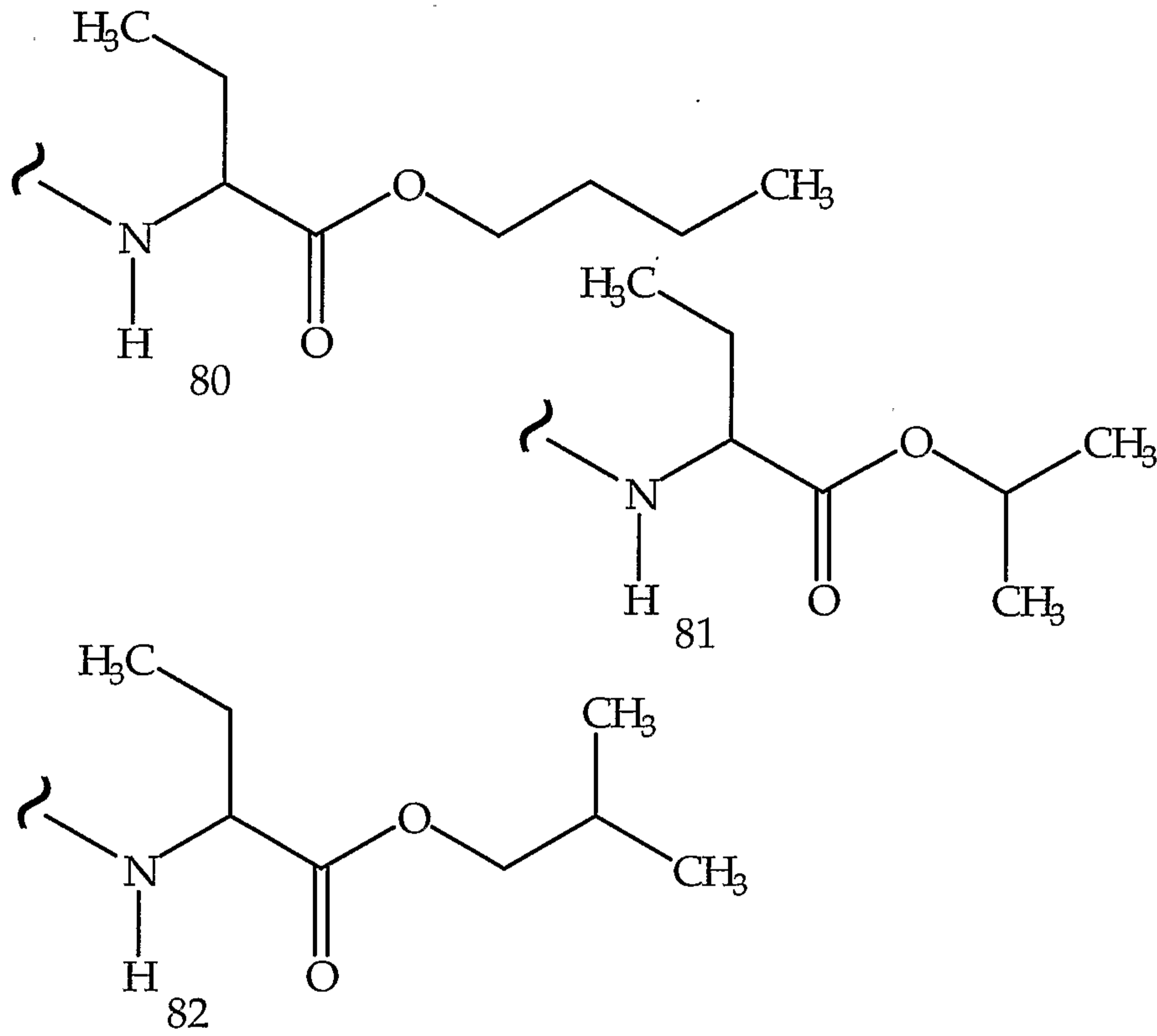
TABLE 20.14

TABLE 20.13

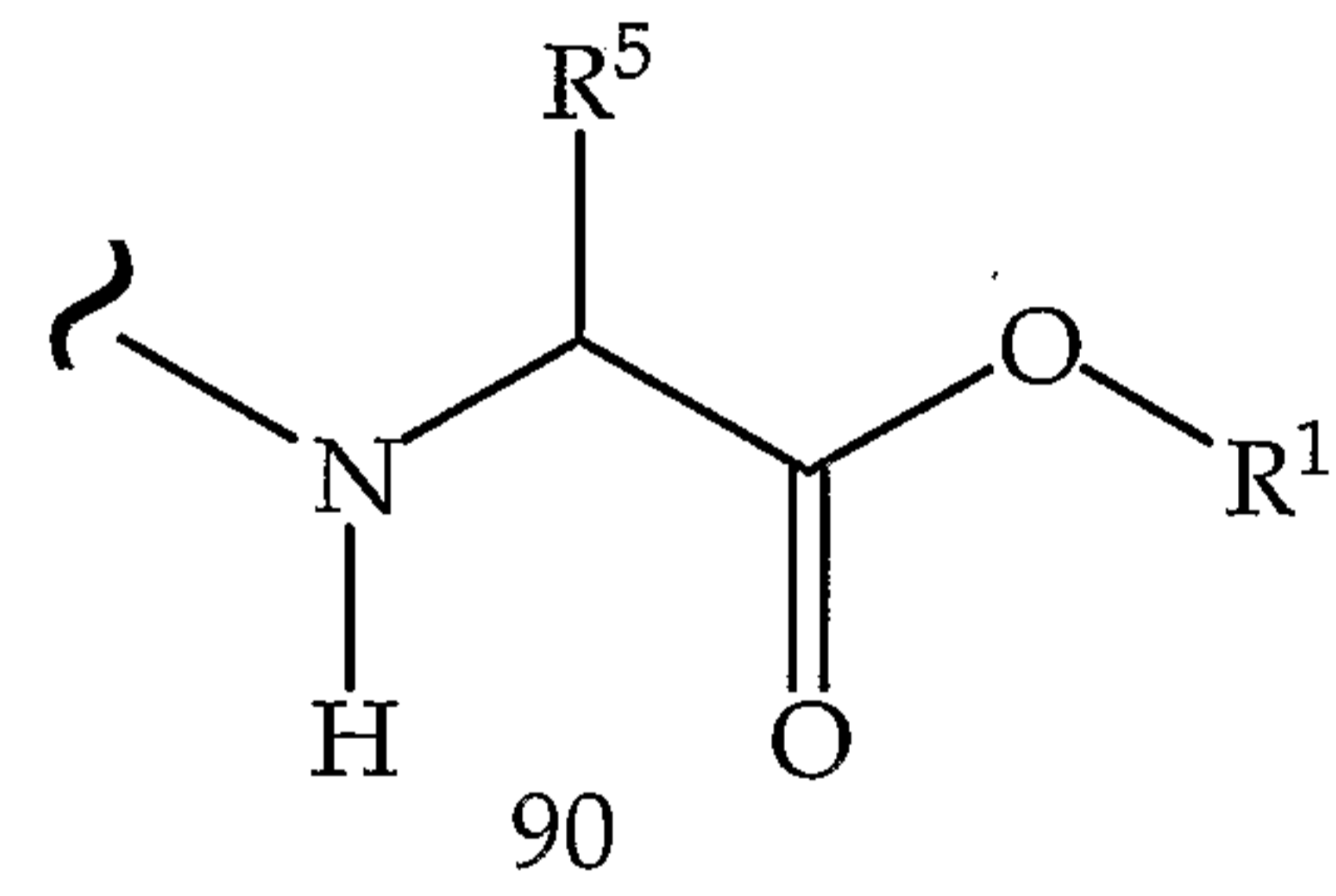
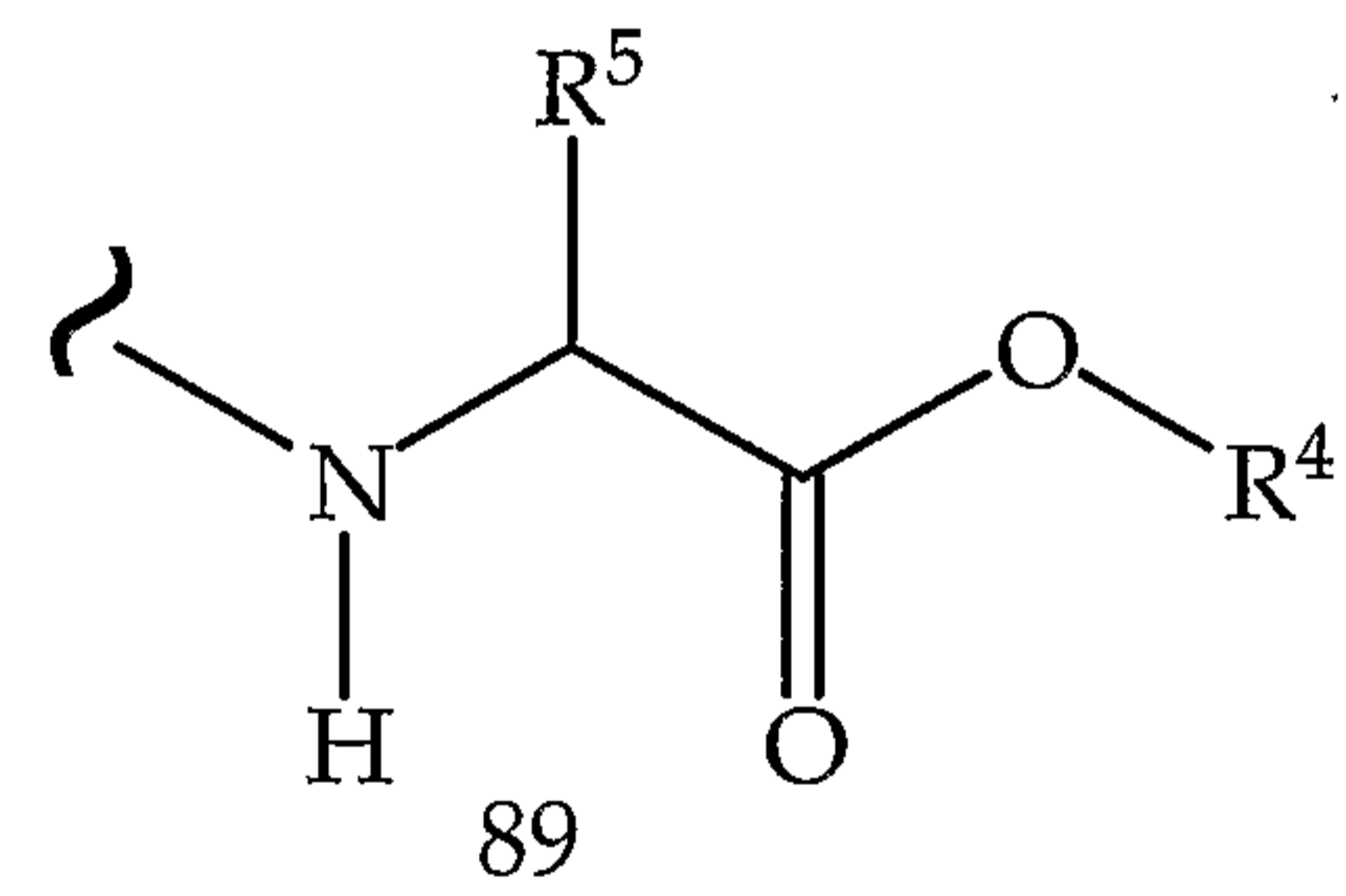
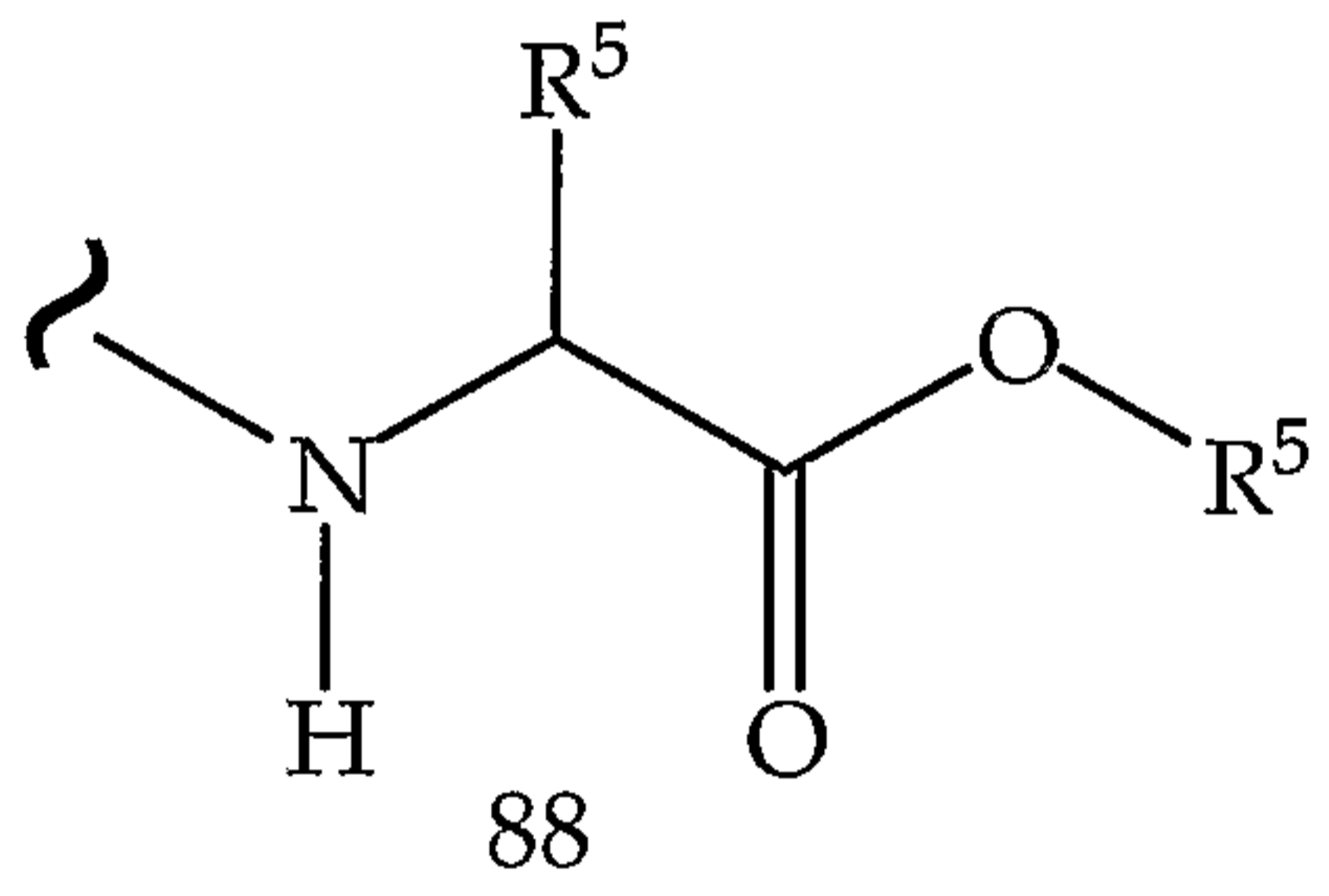
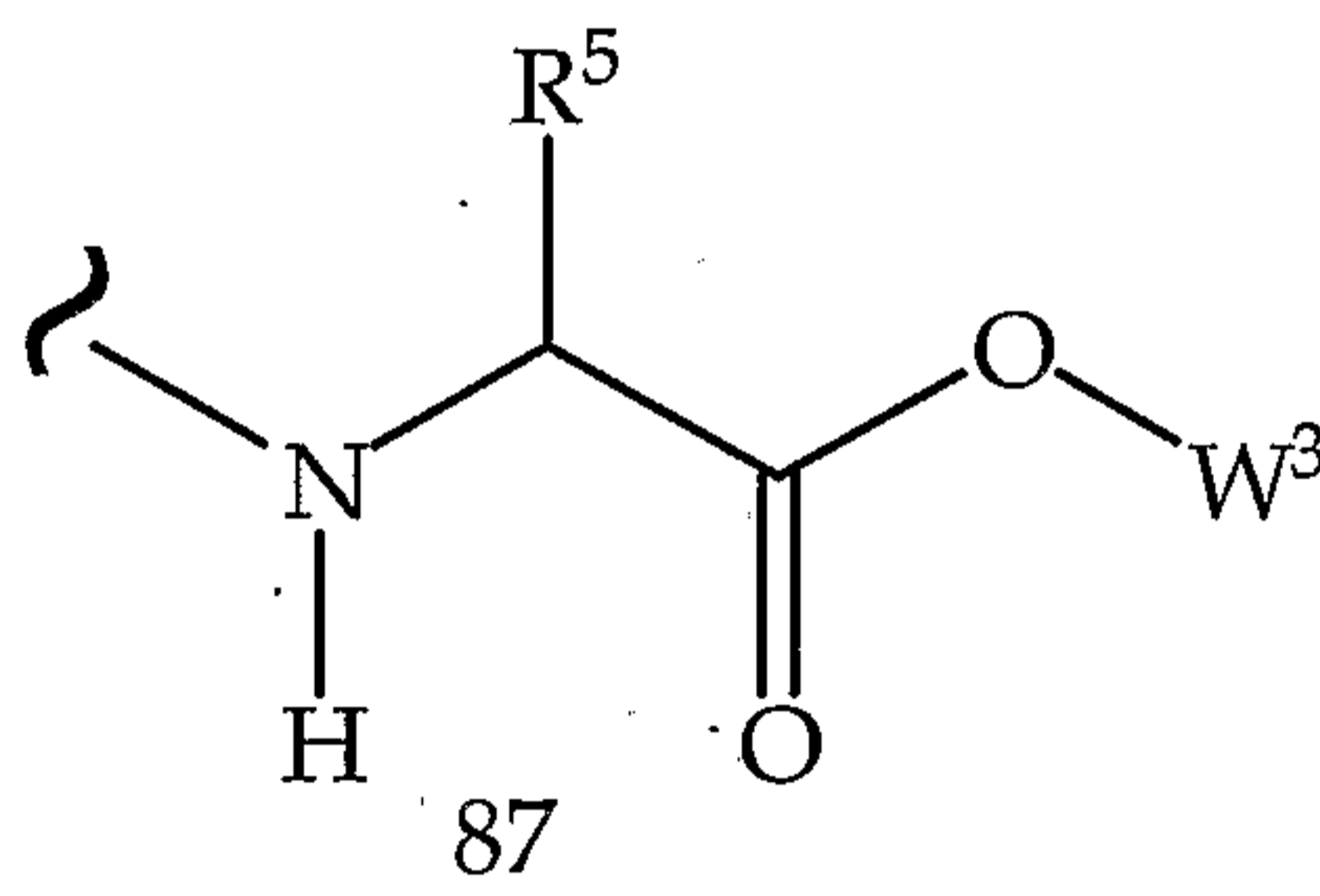
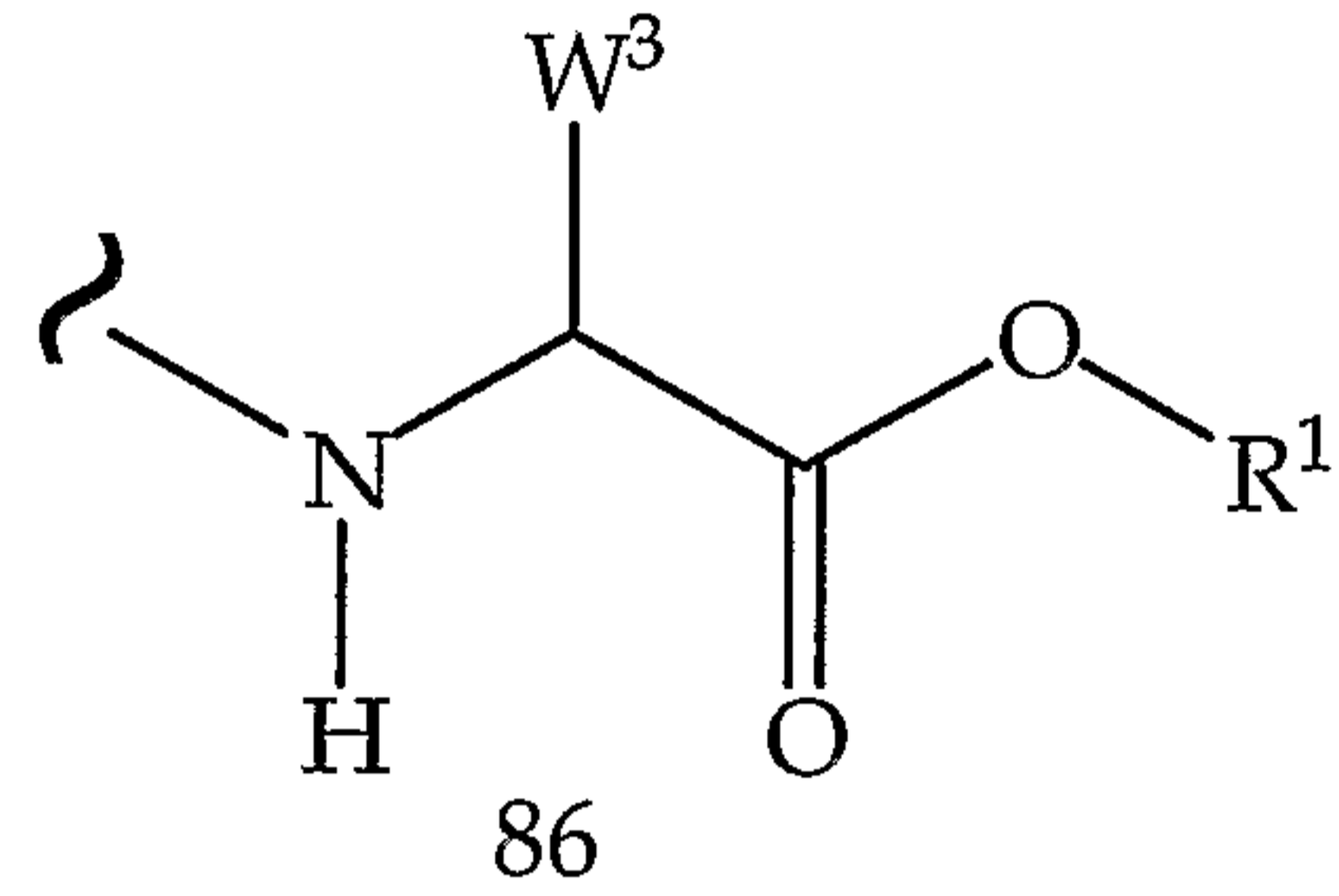
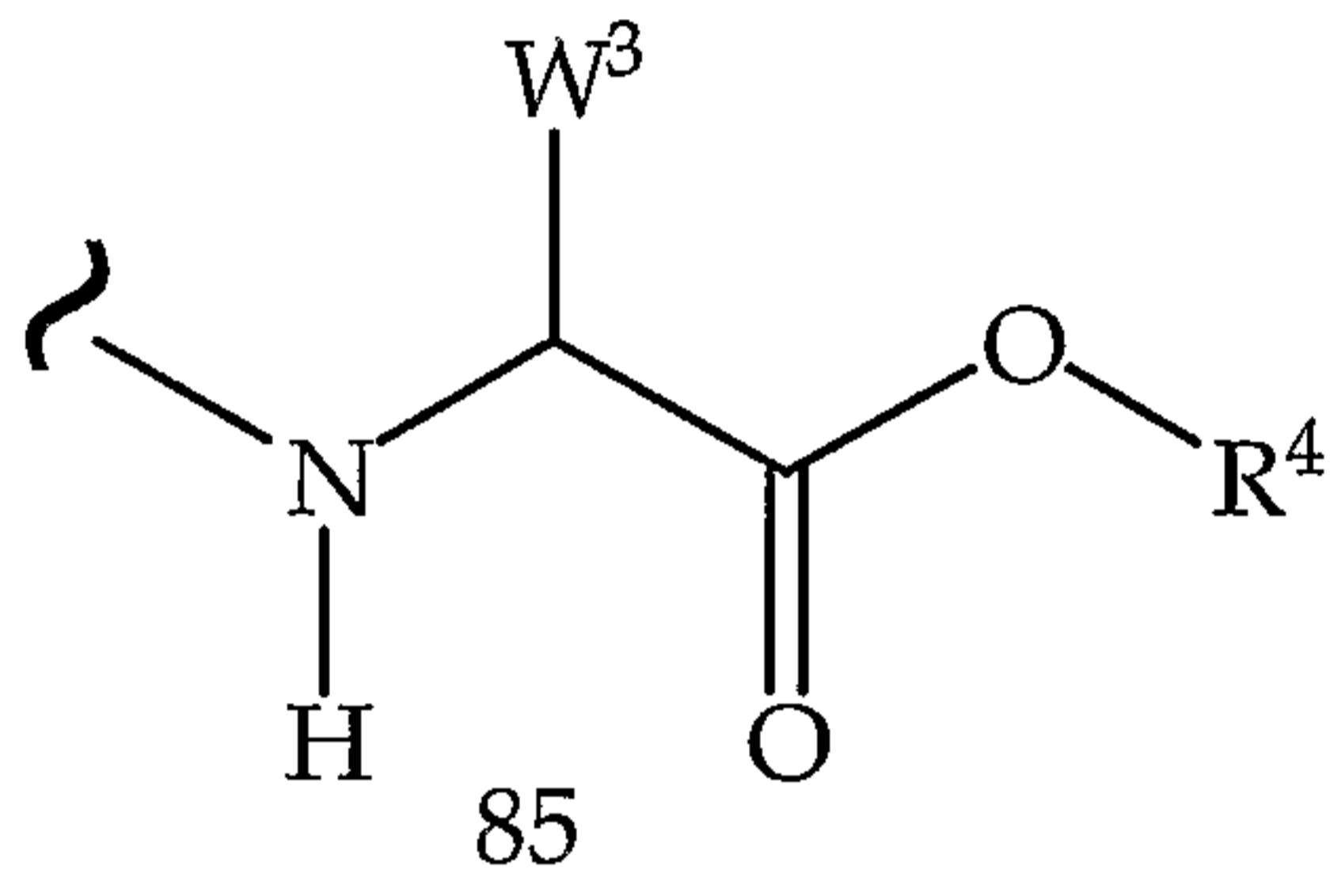
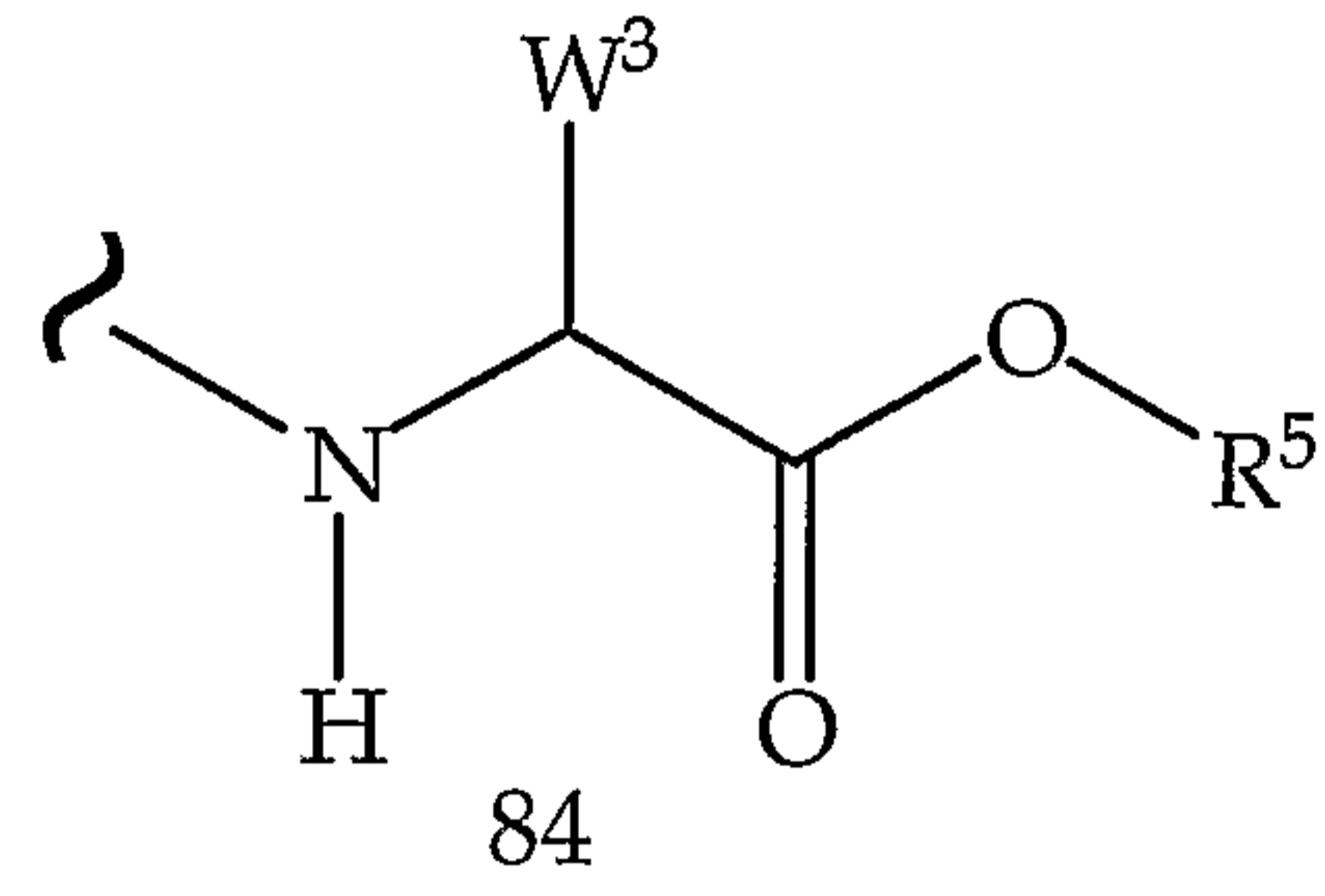
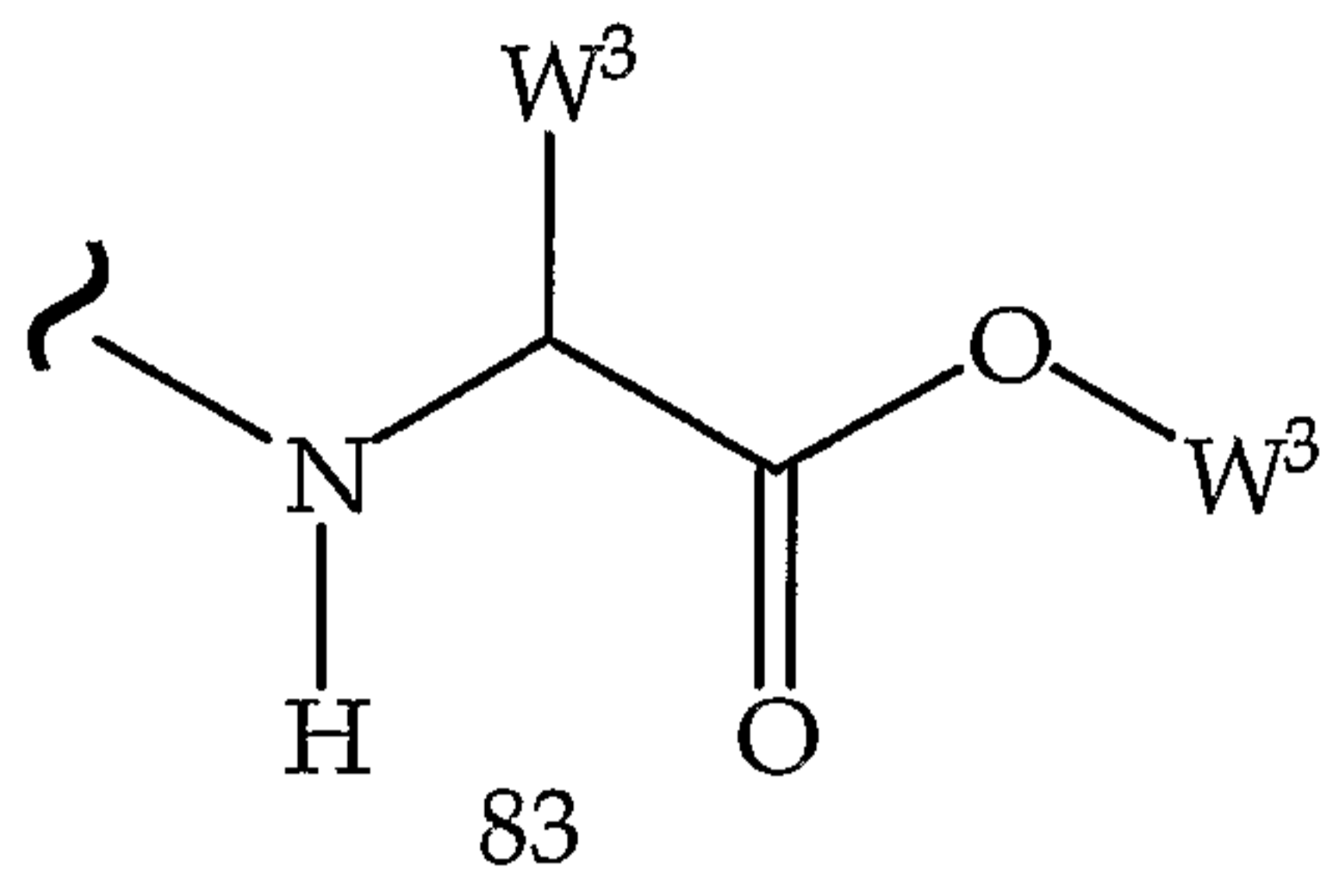


TABLE 20.10

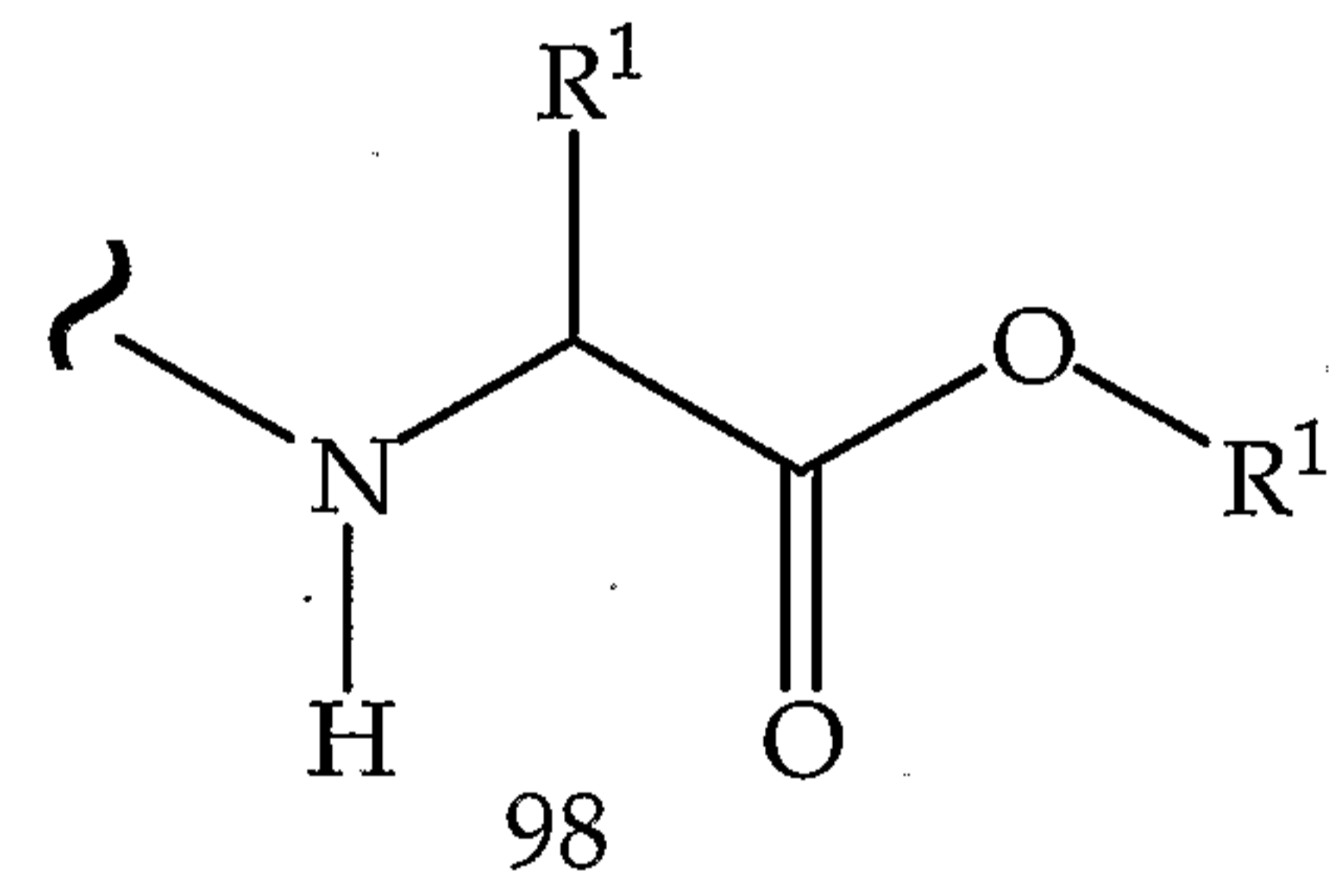
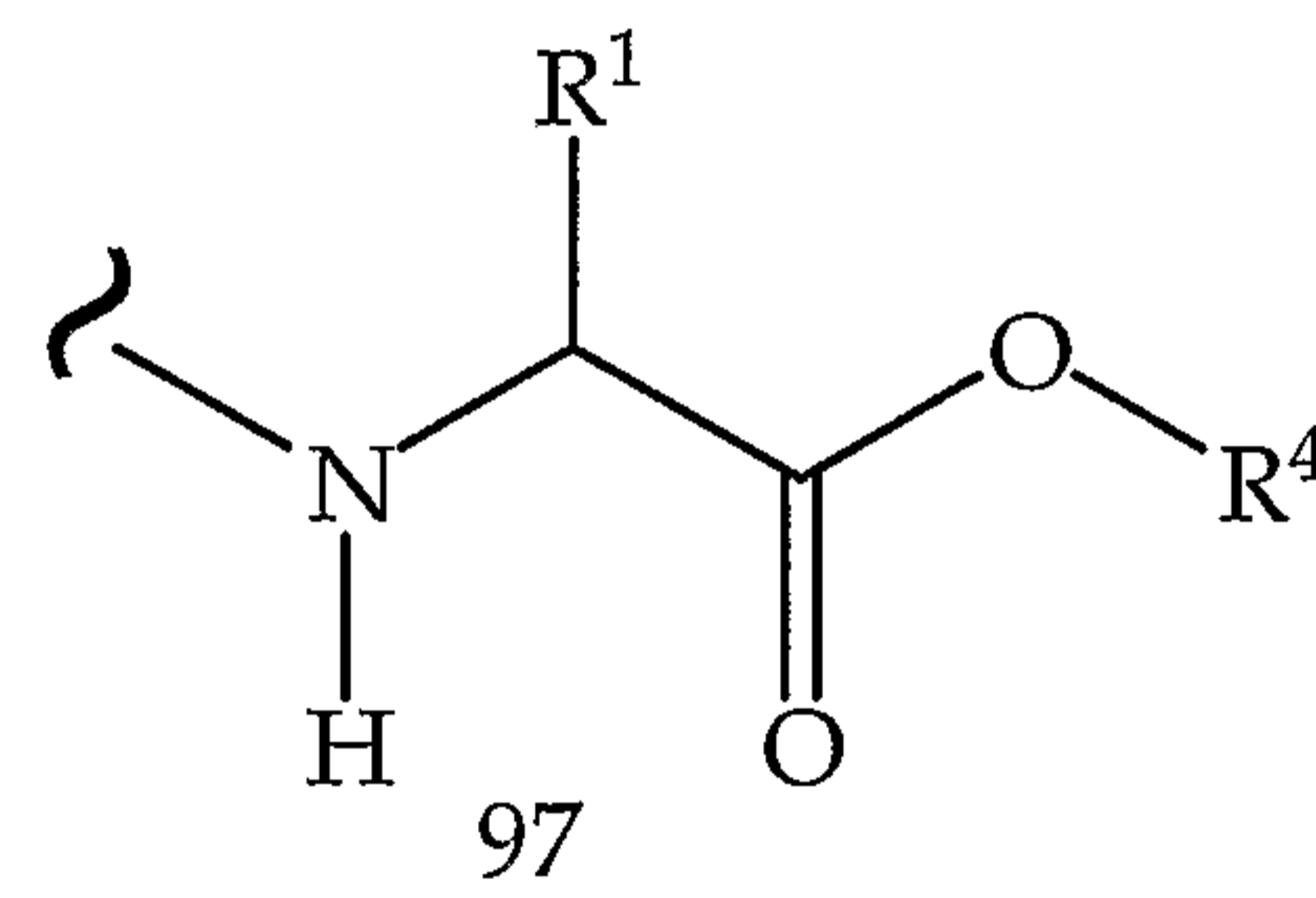
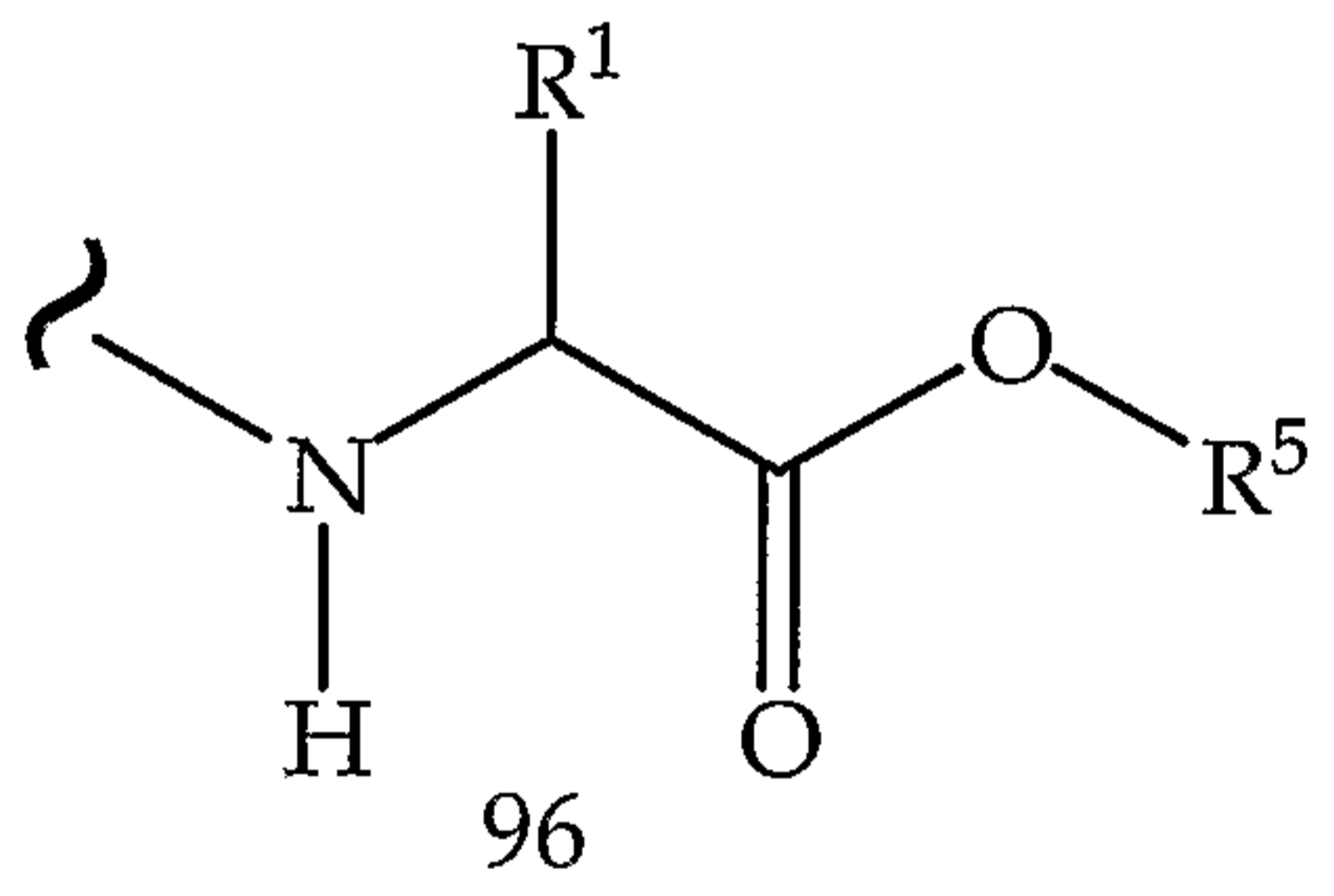
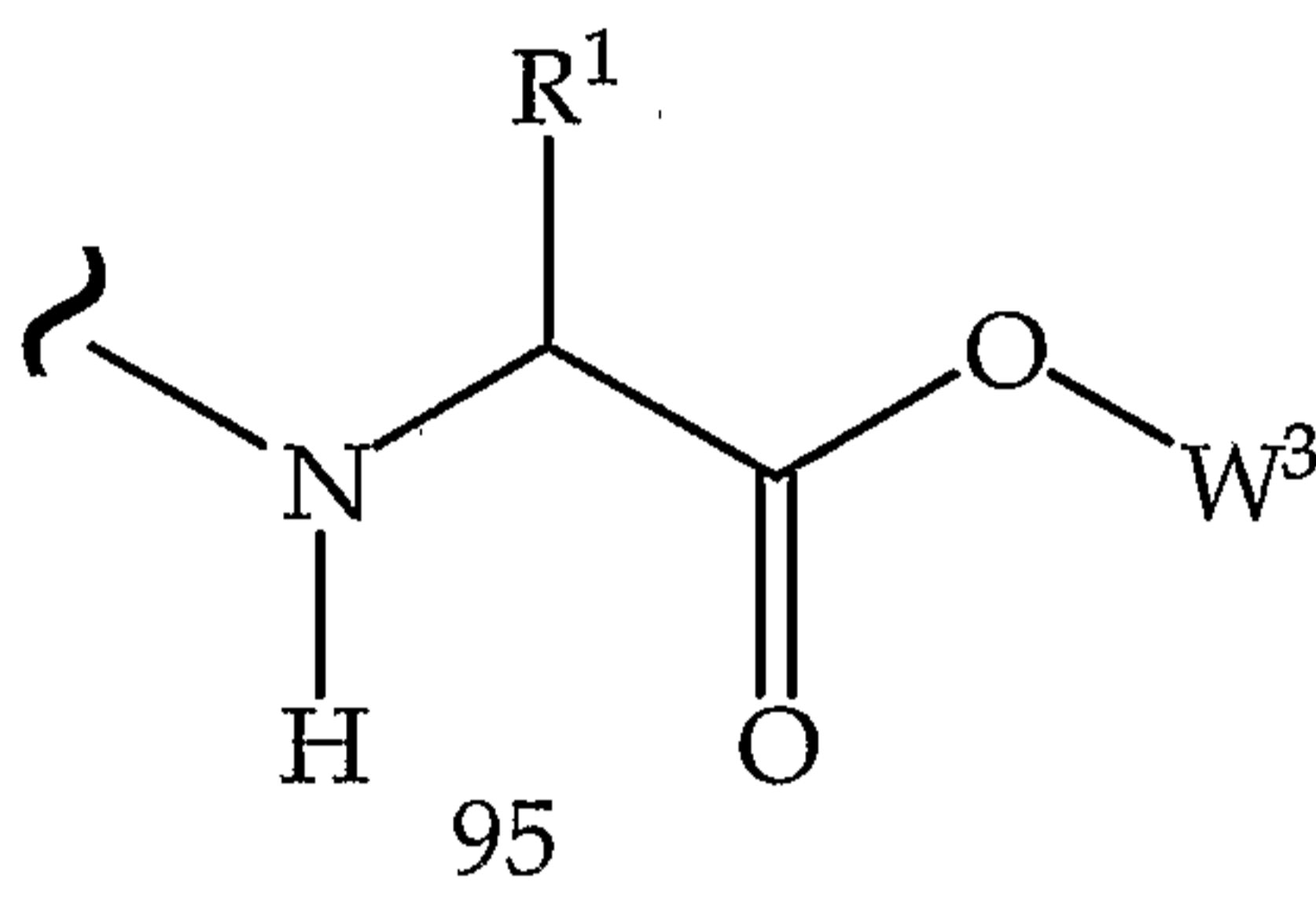
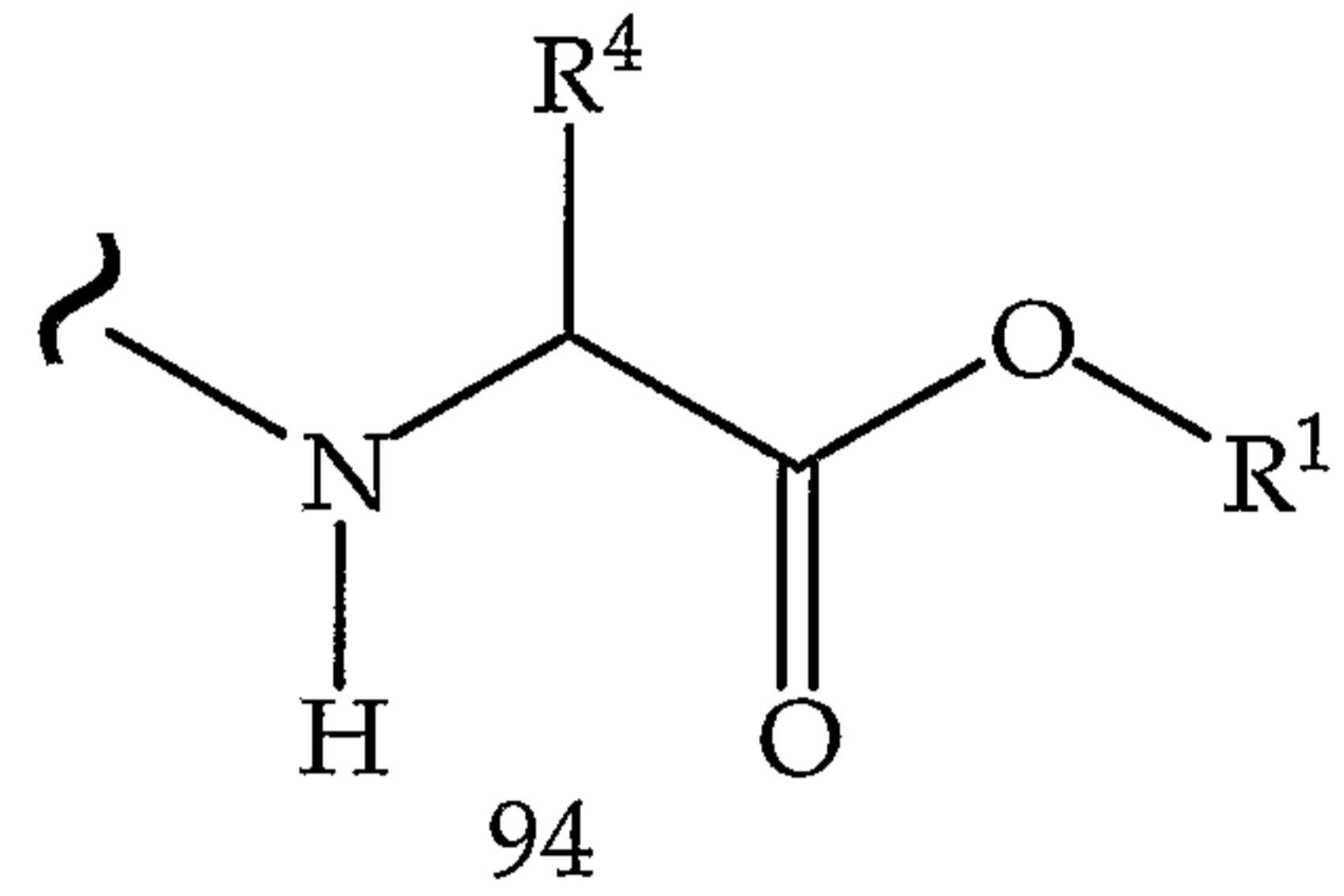
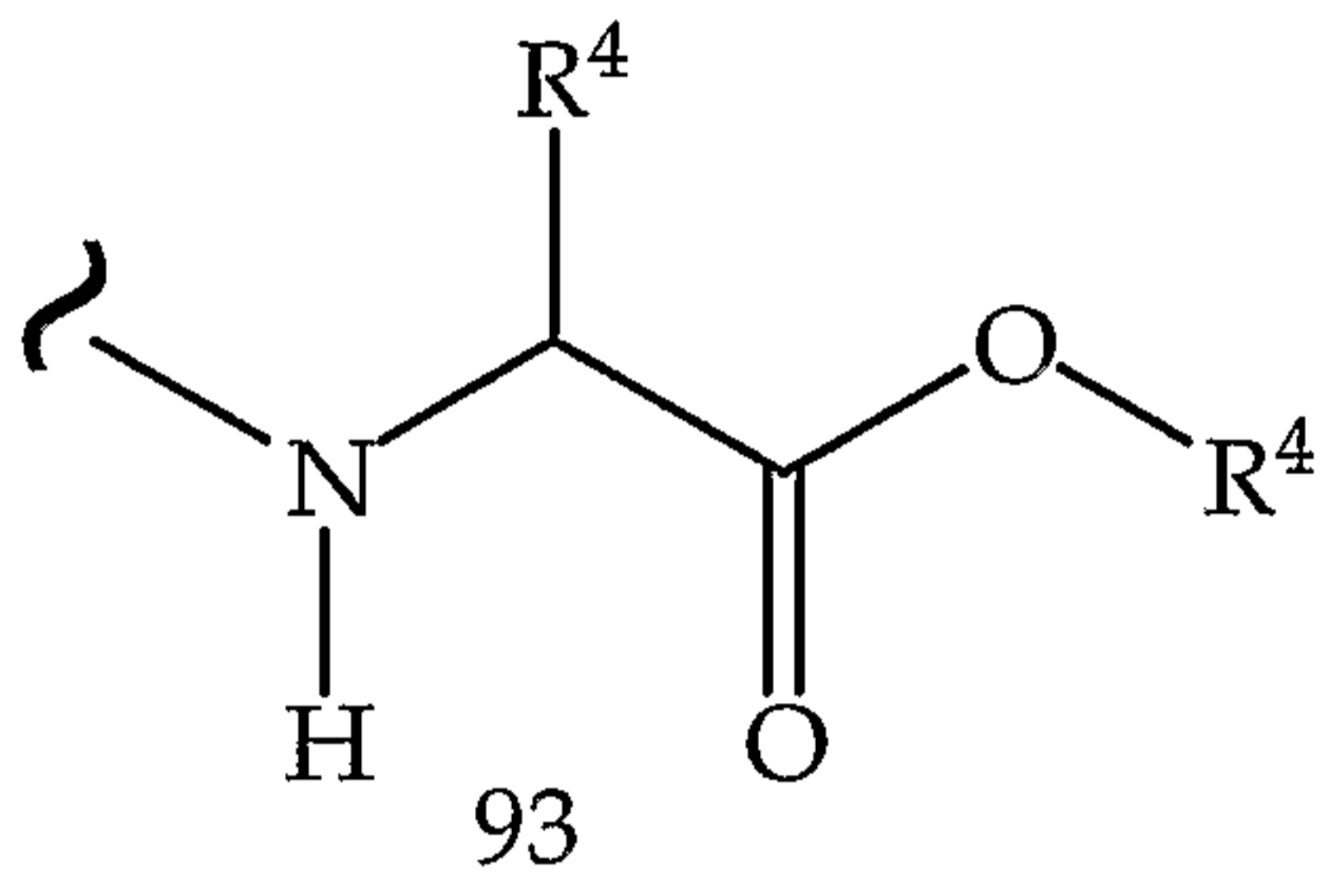
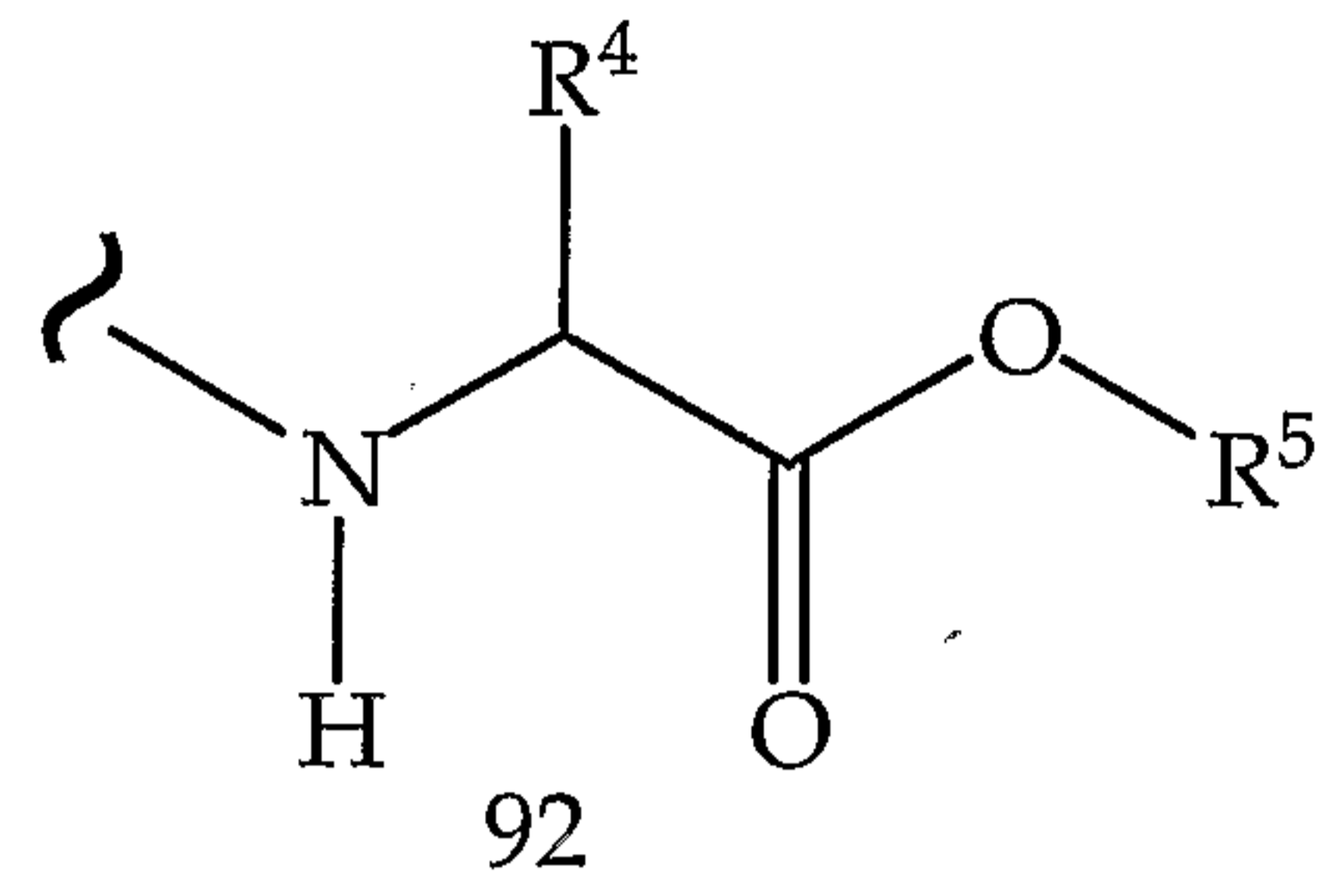
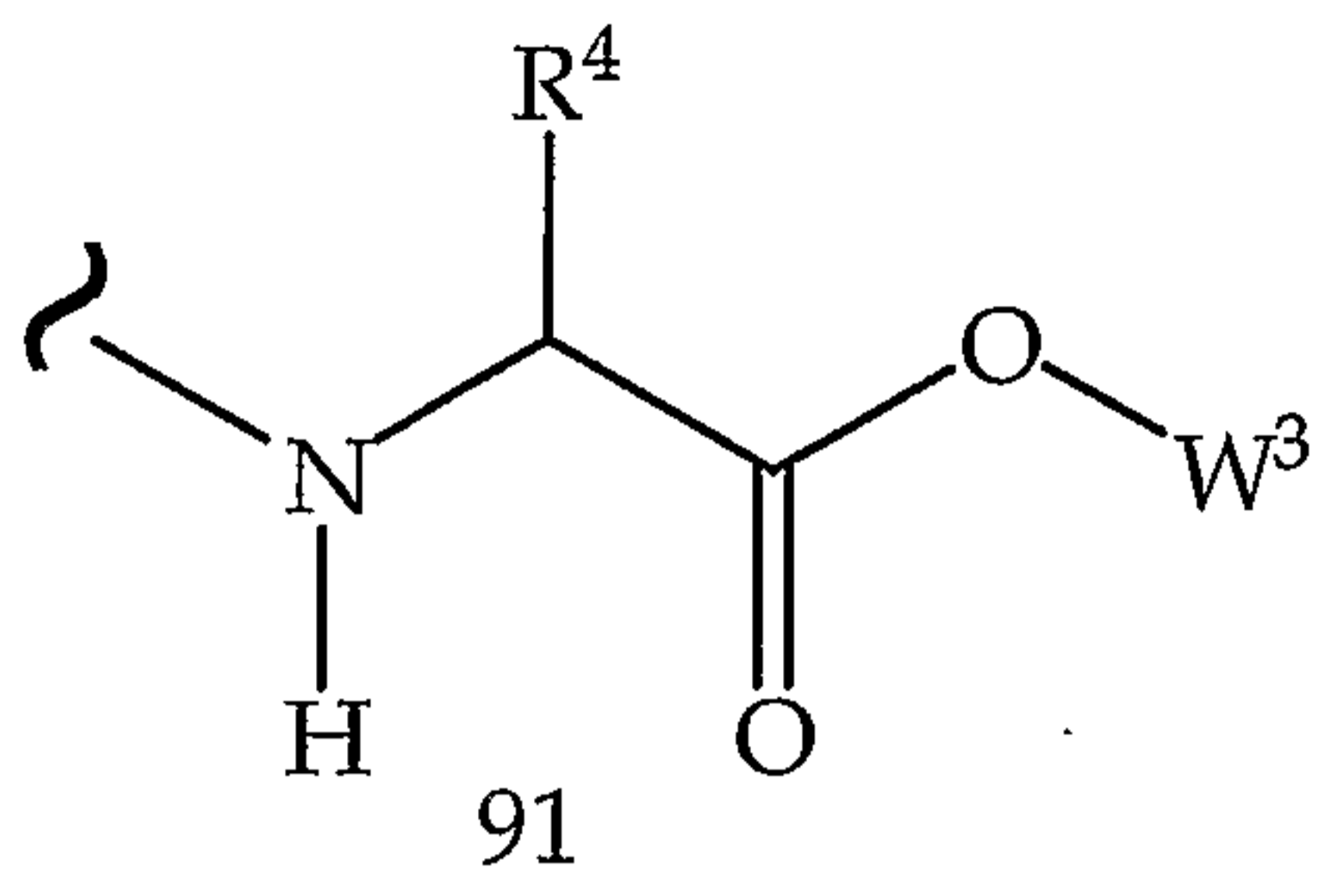


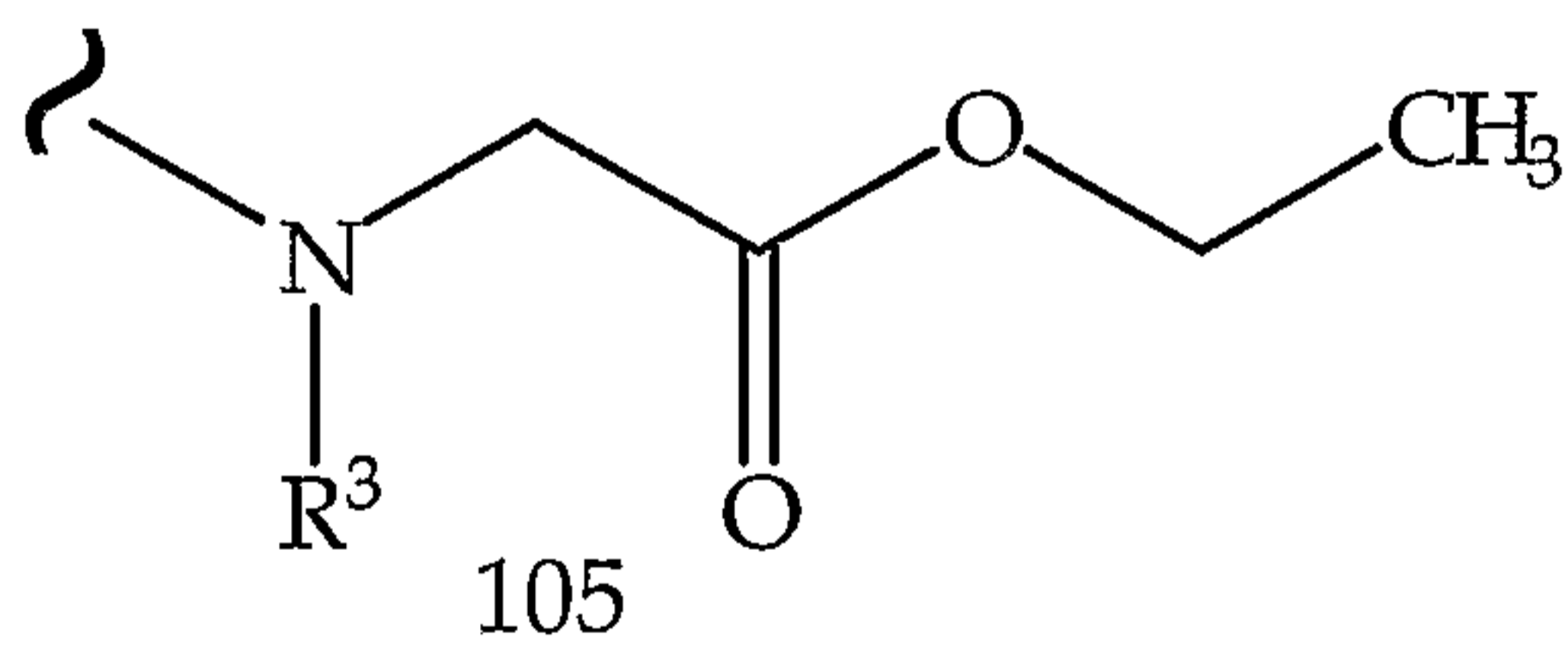
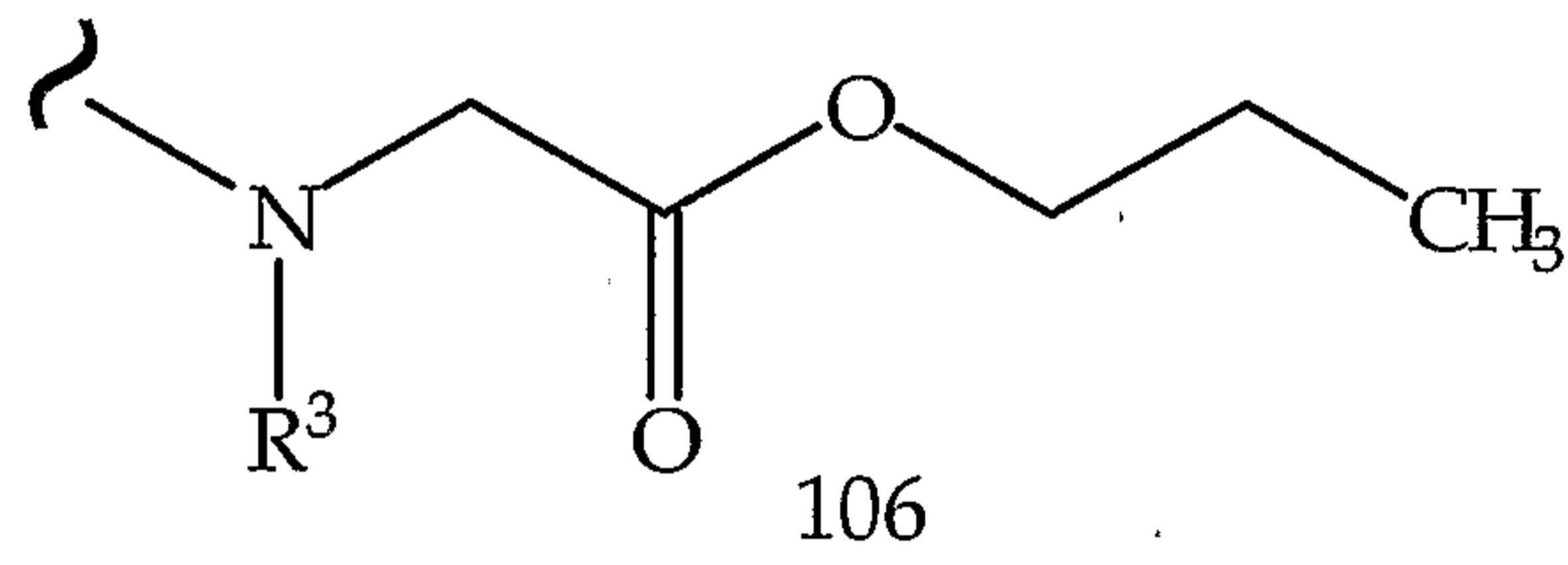
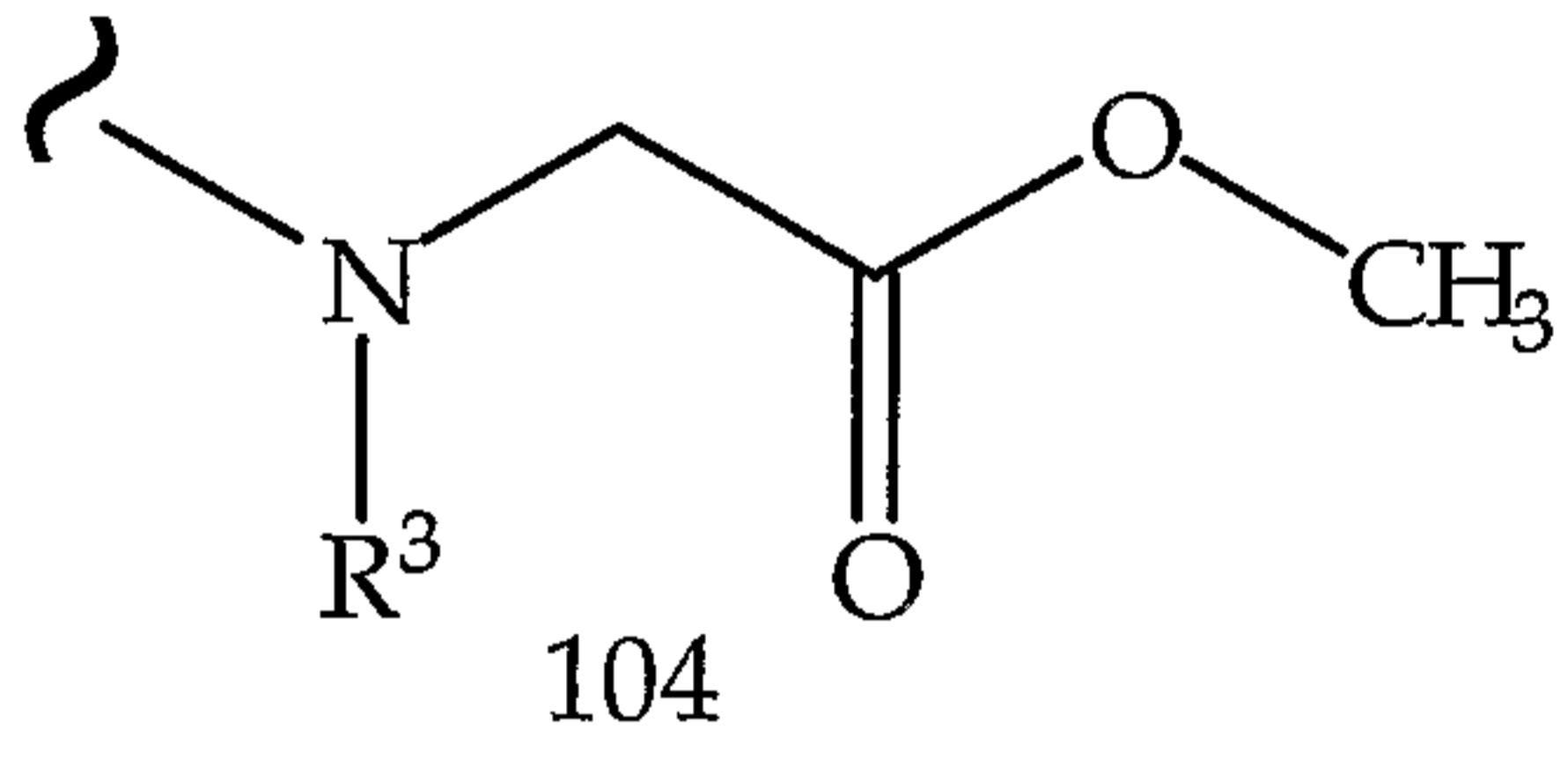
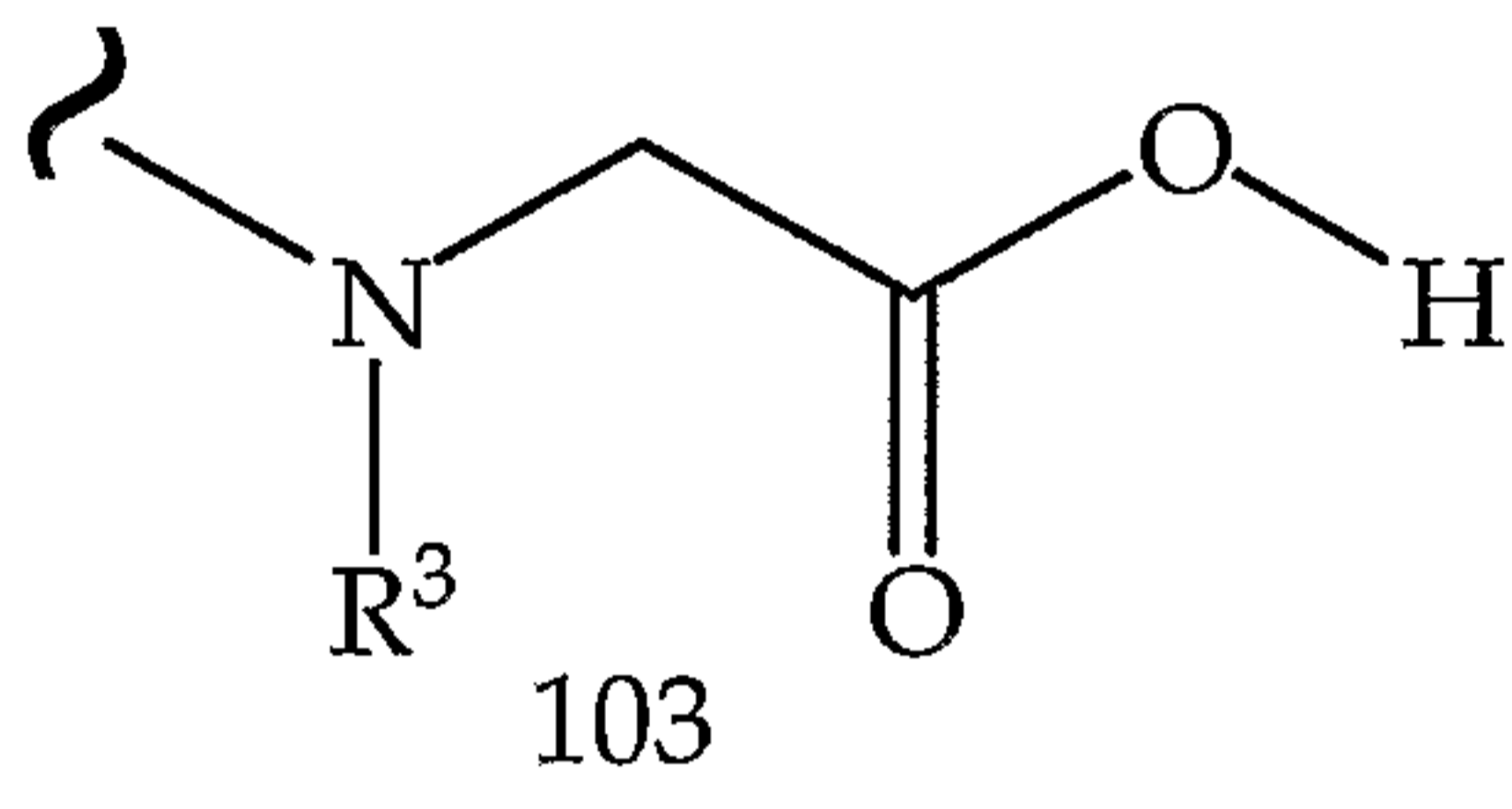
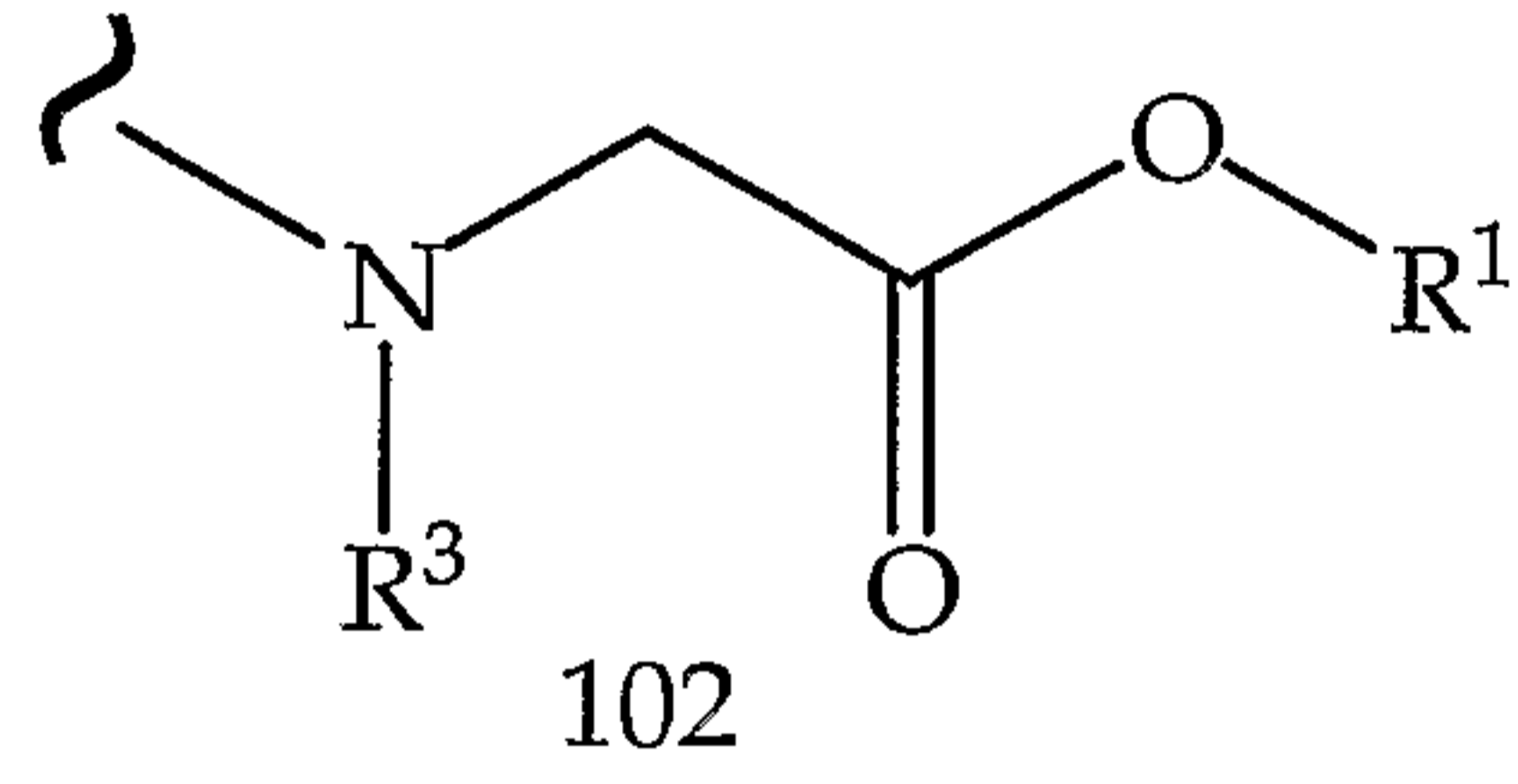
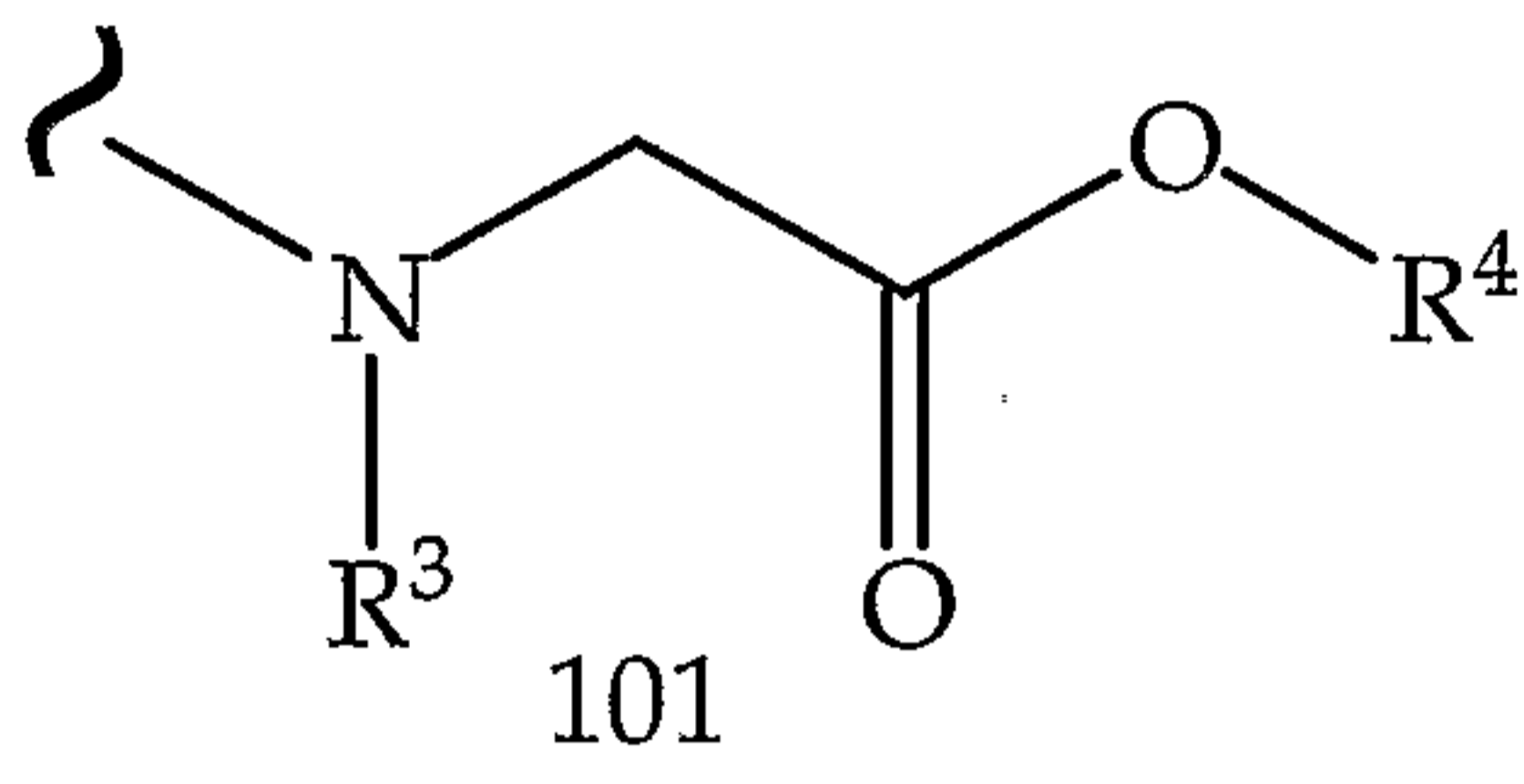
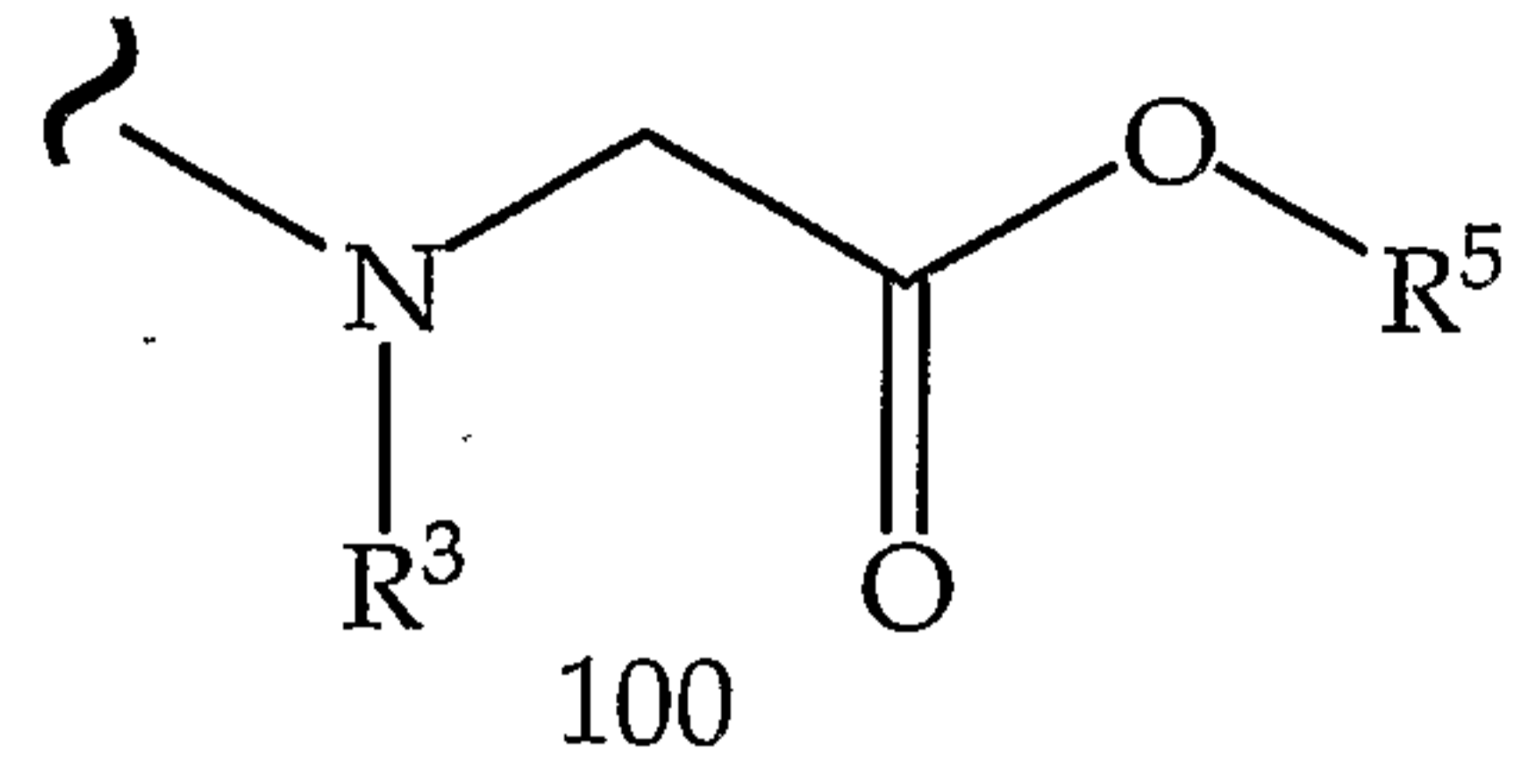
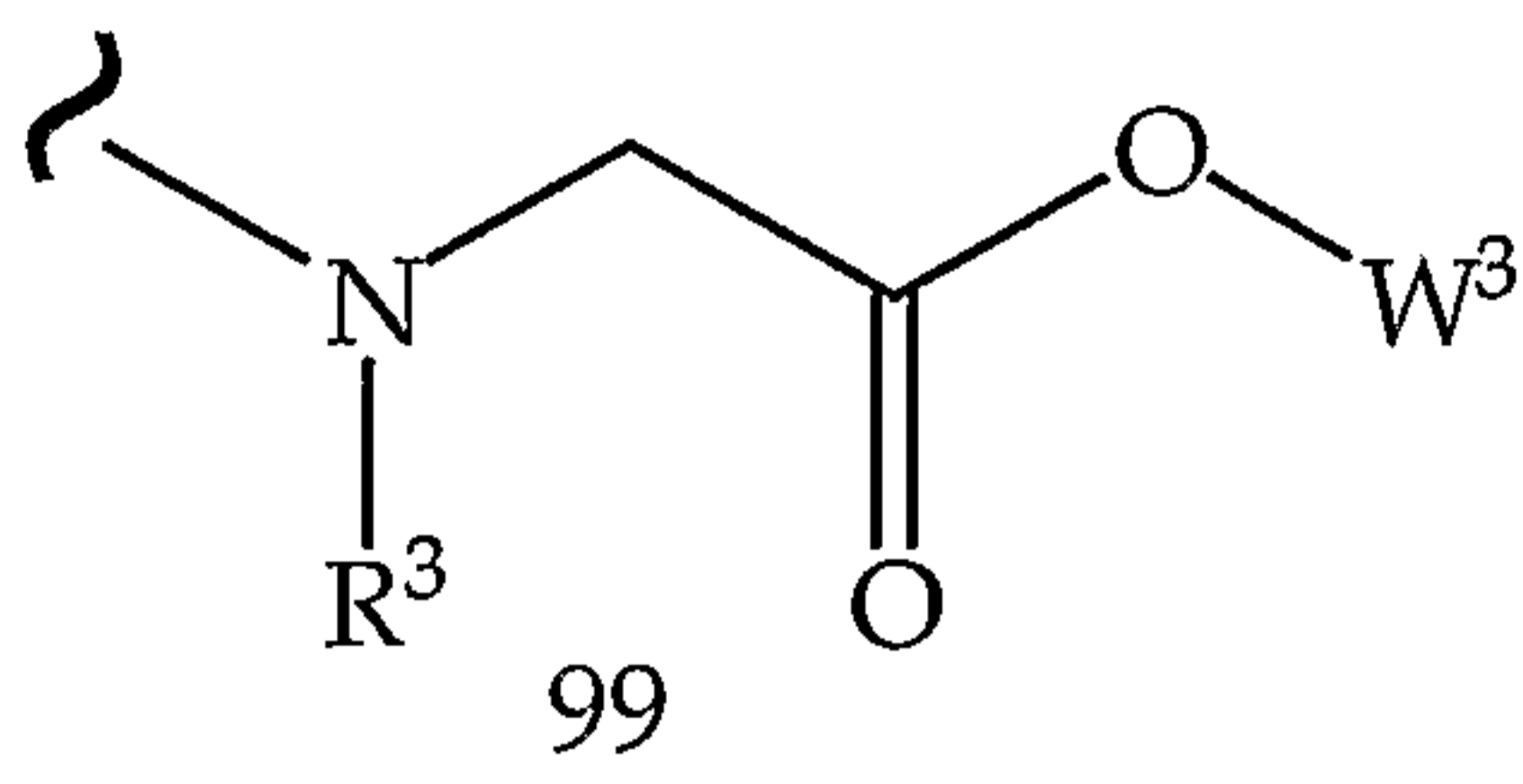
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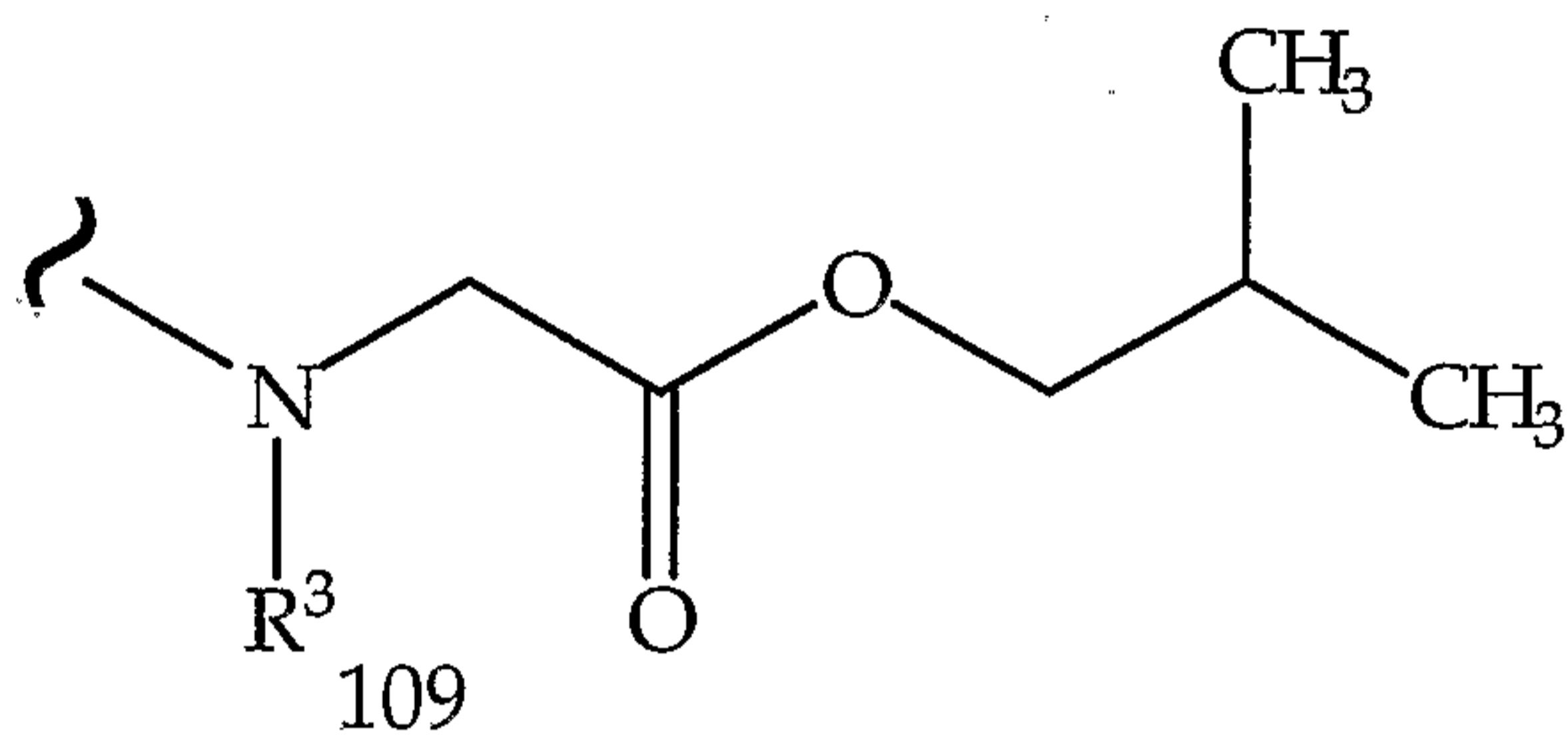
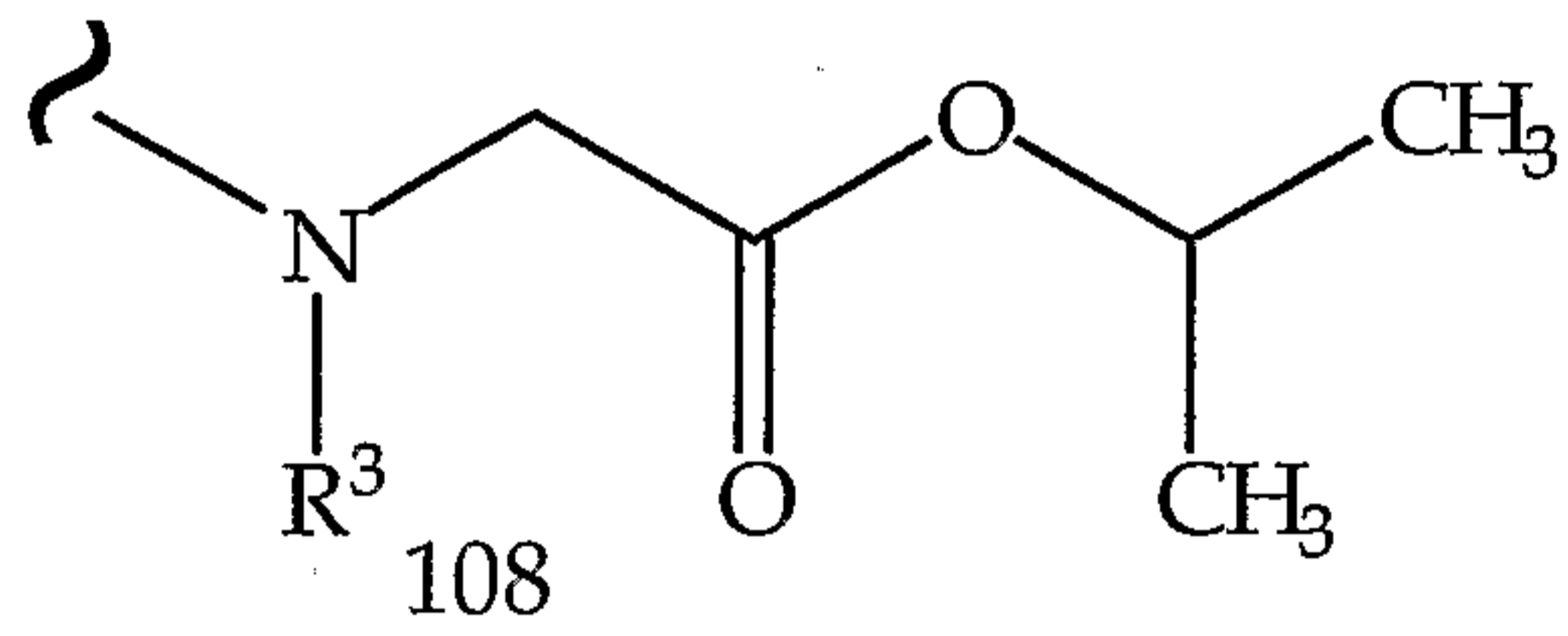
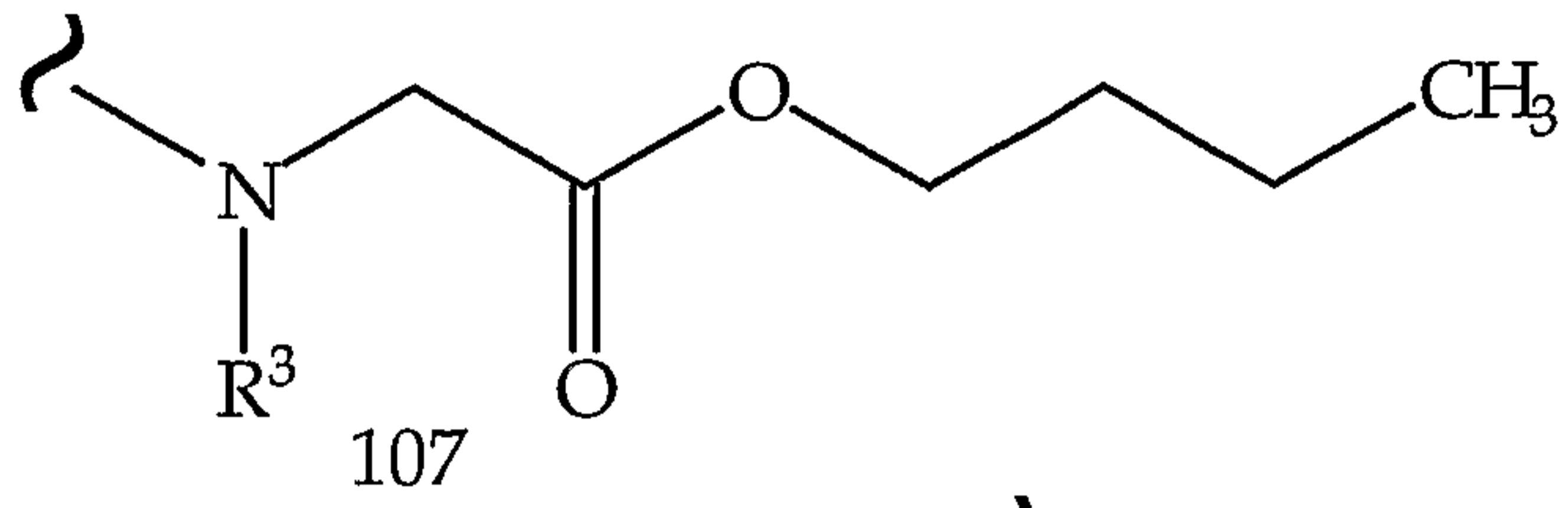
TABLE 20.10

TABLE 20.17

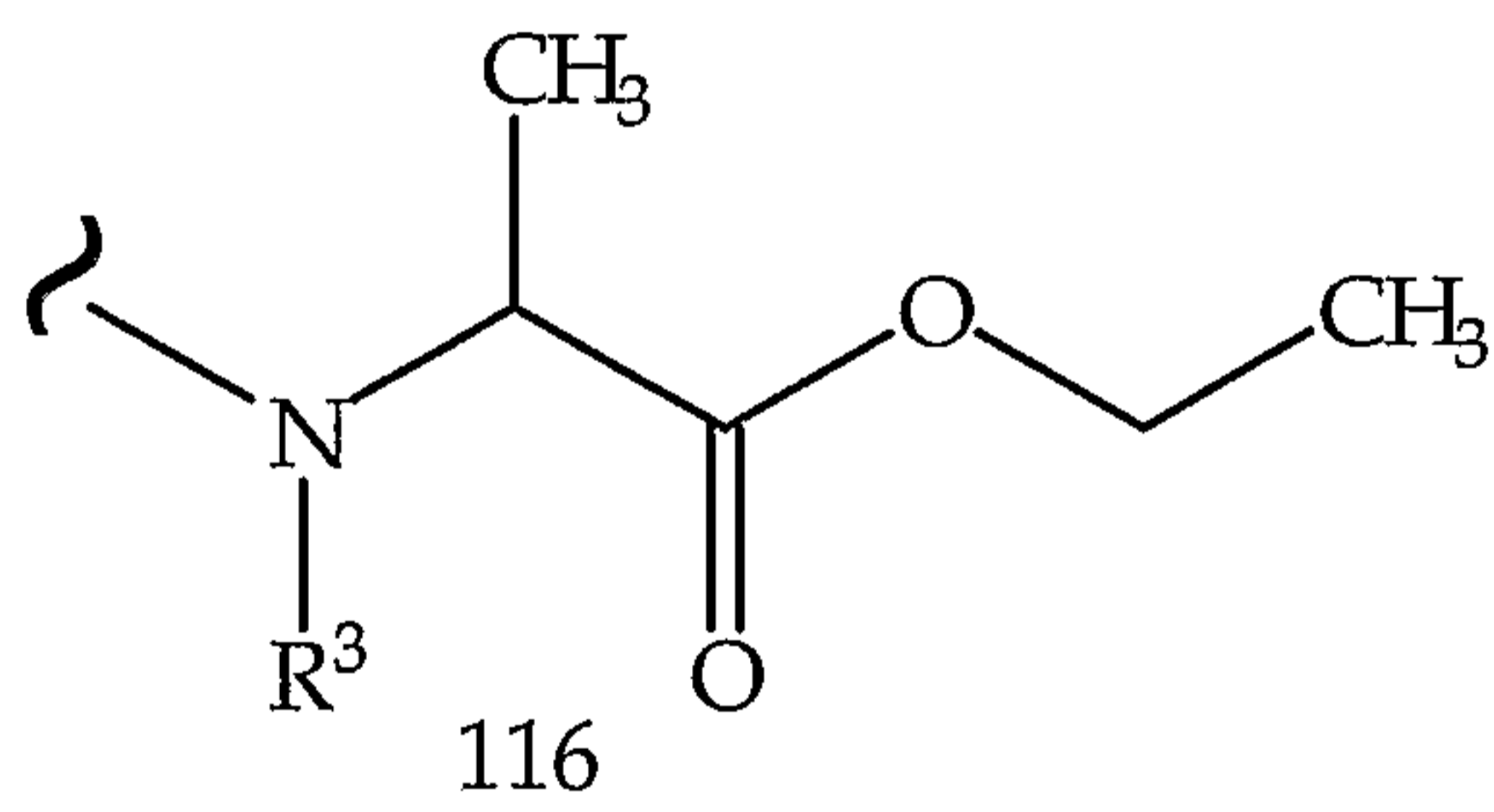
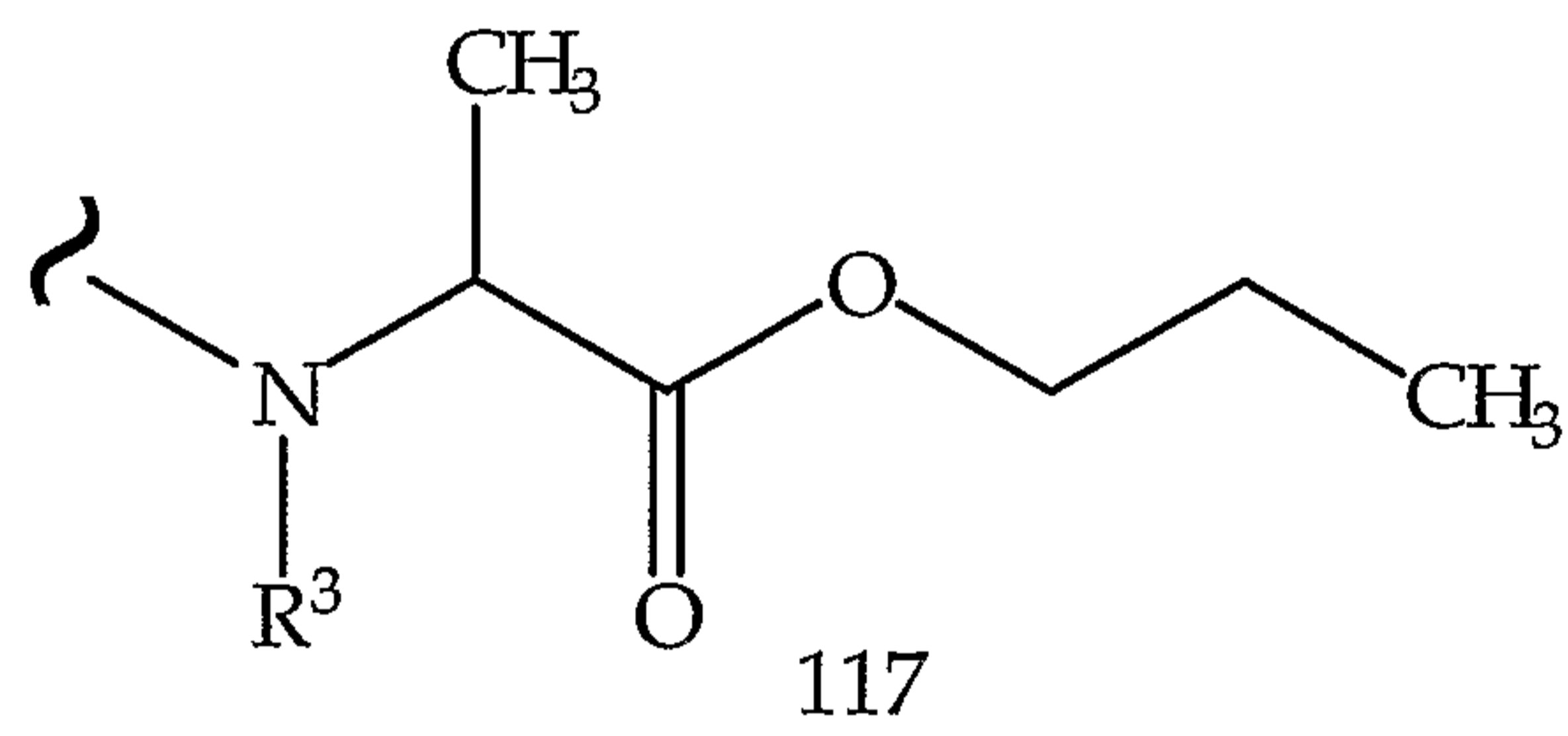
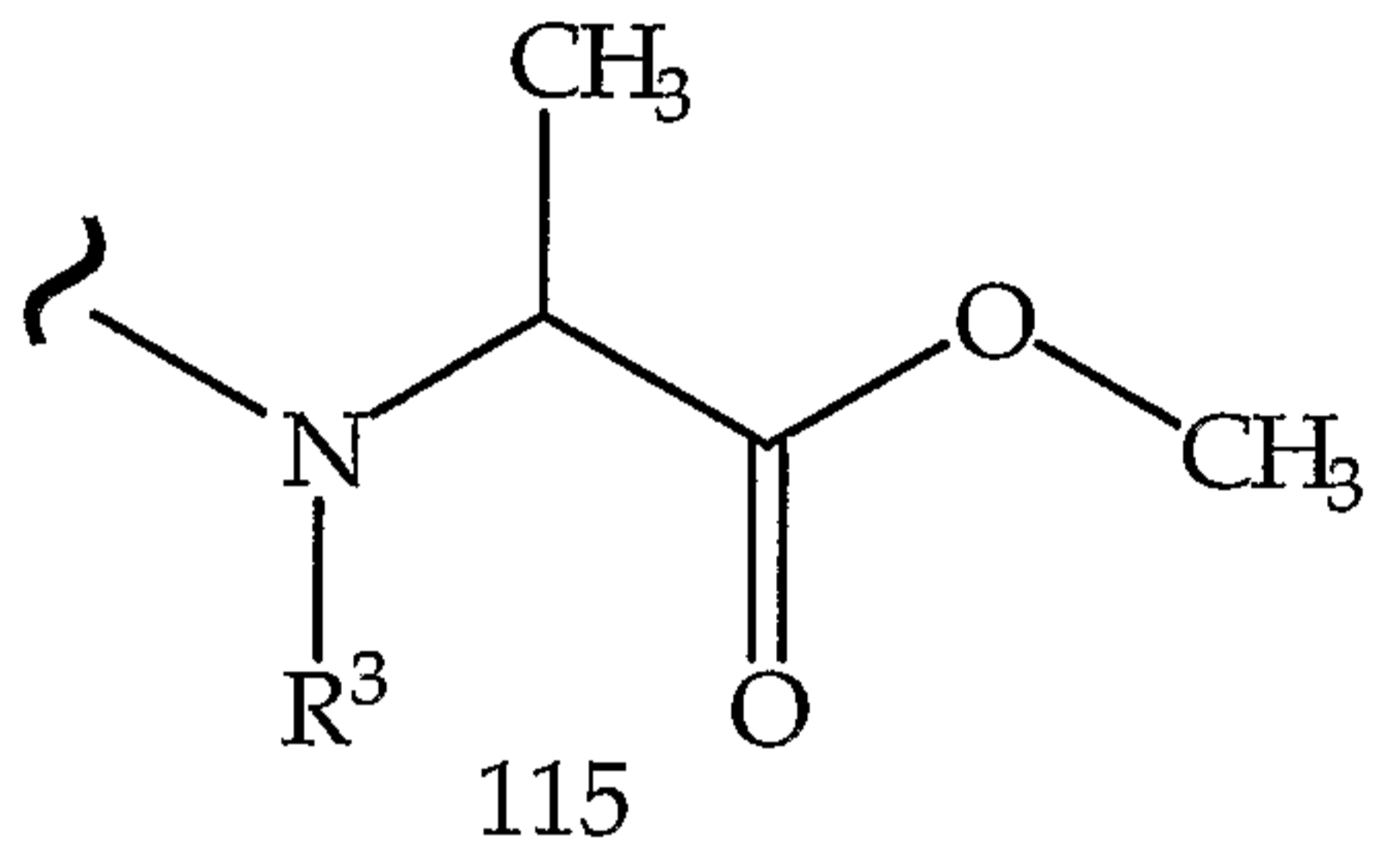
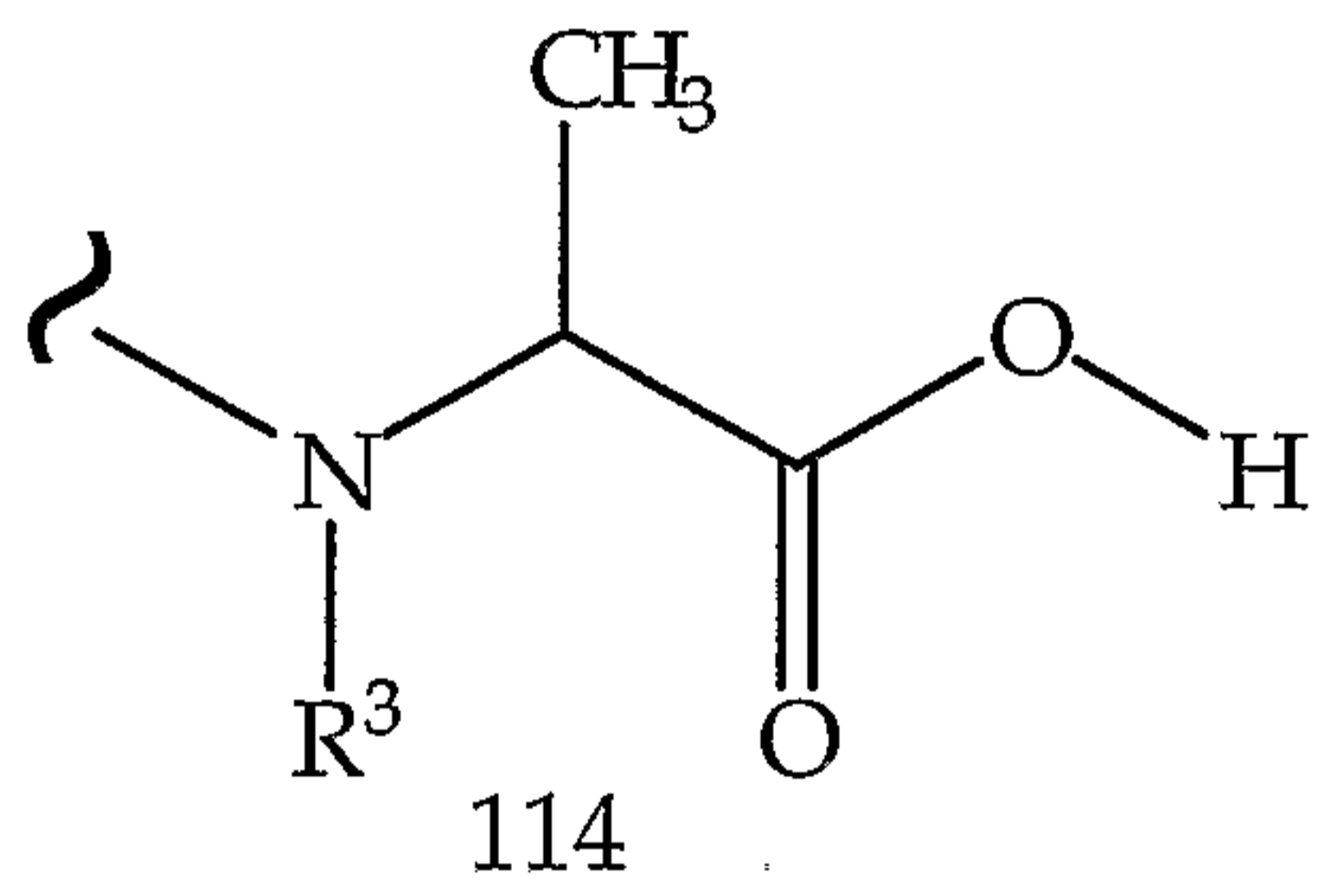
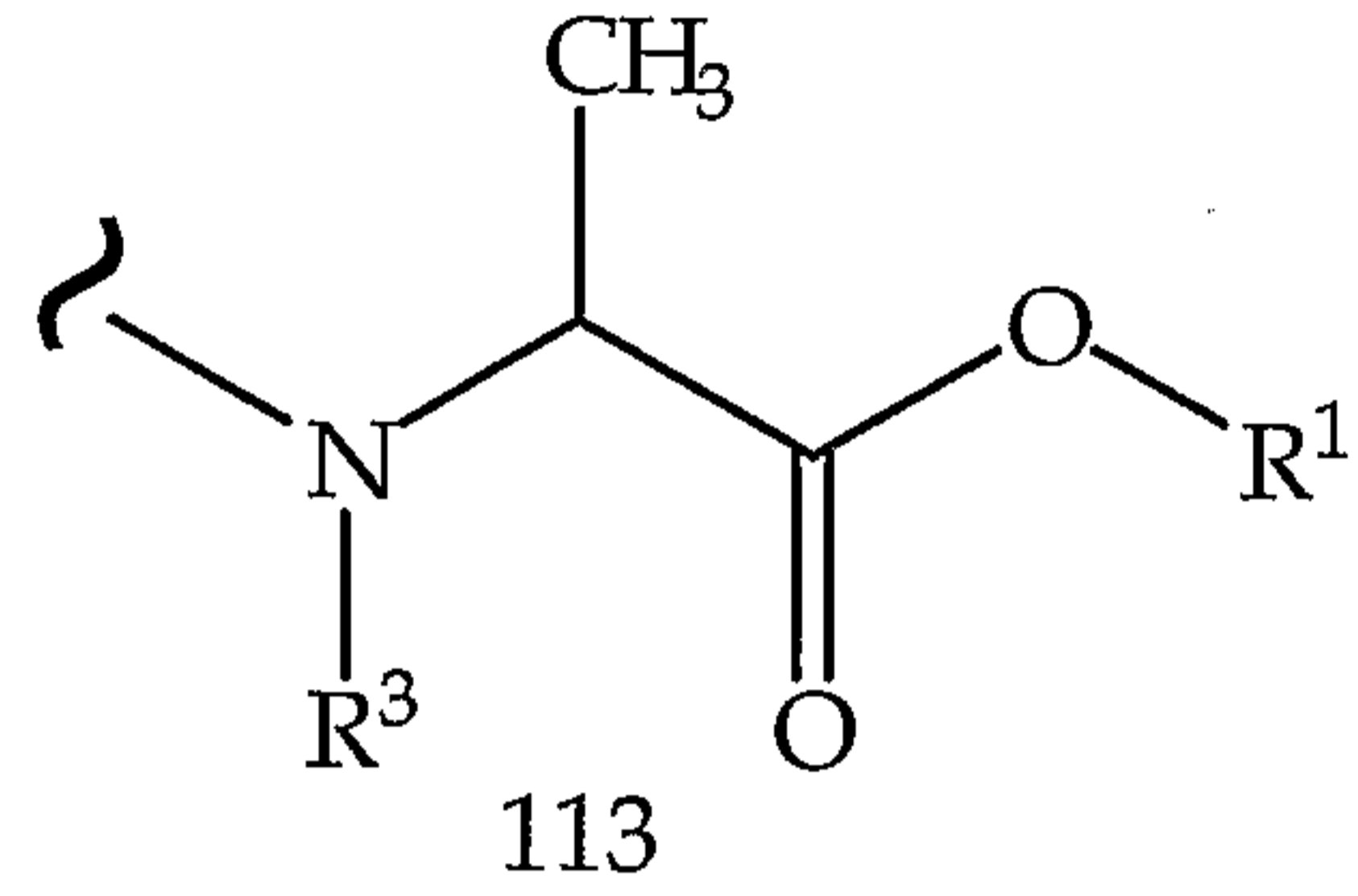
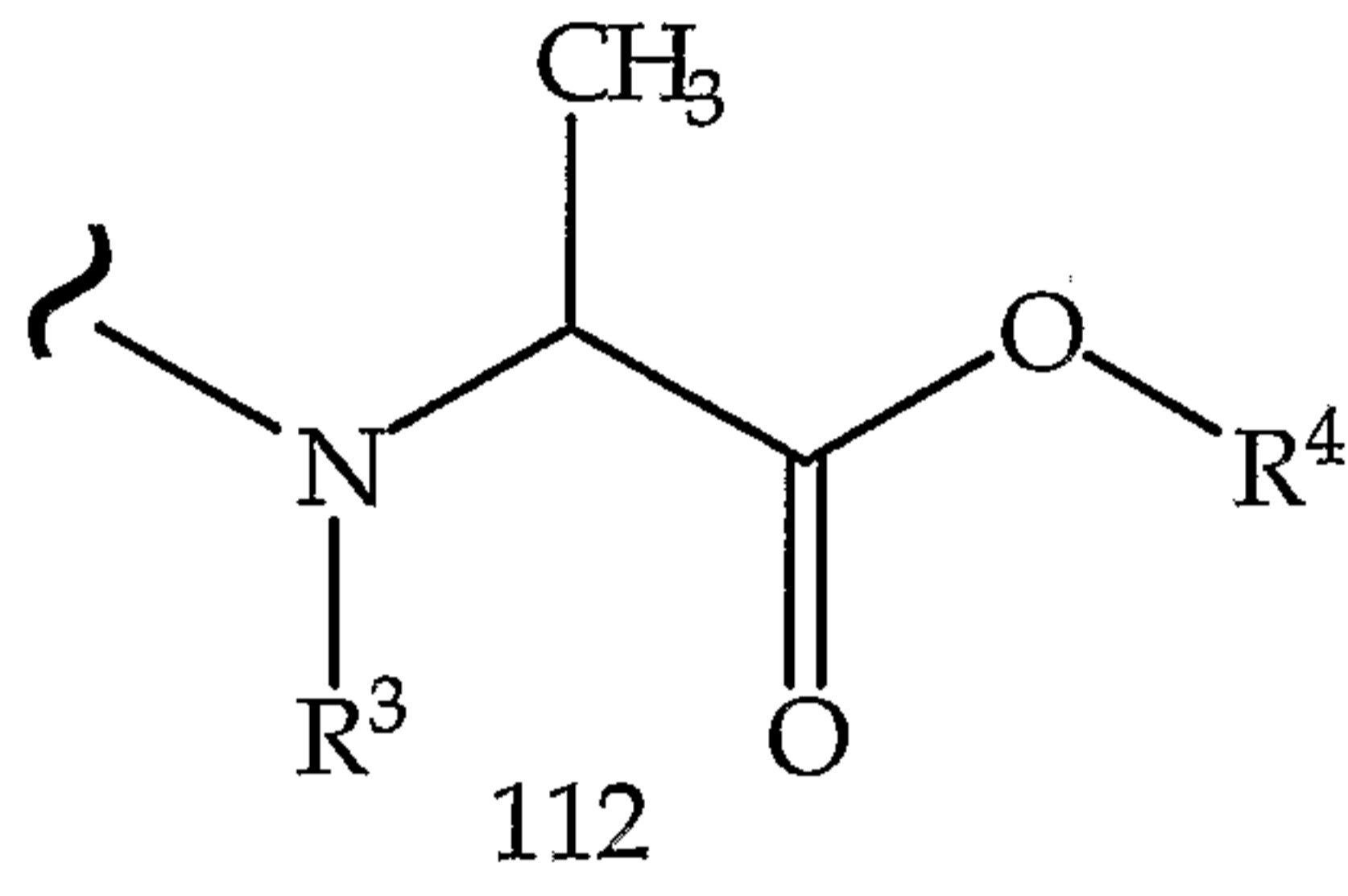
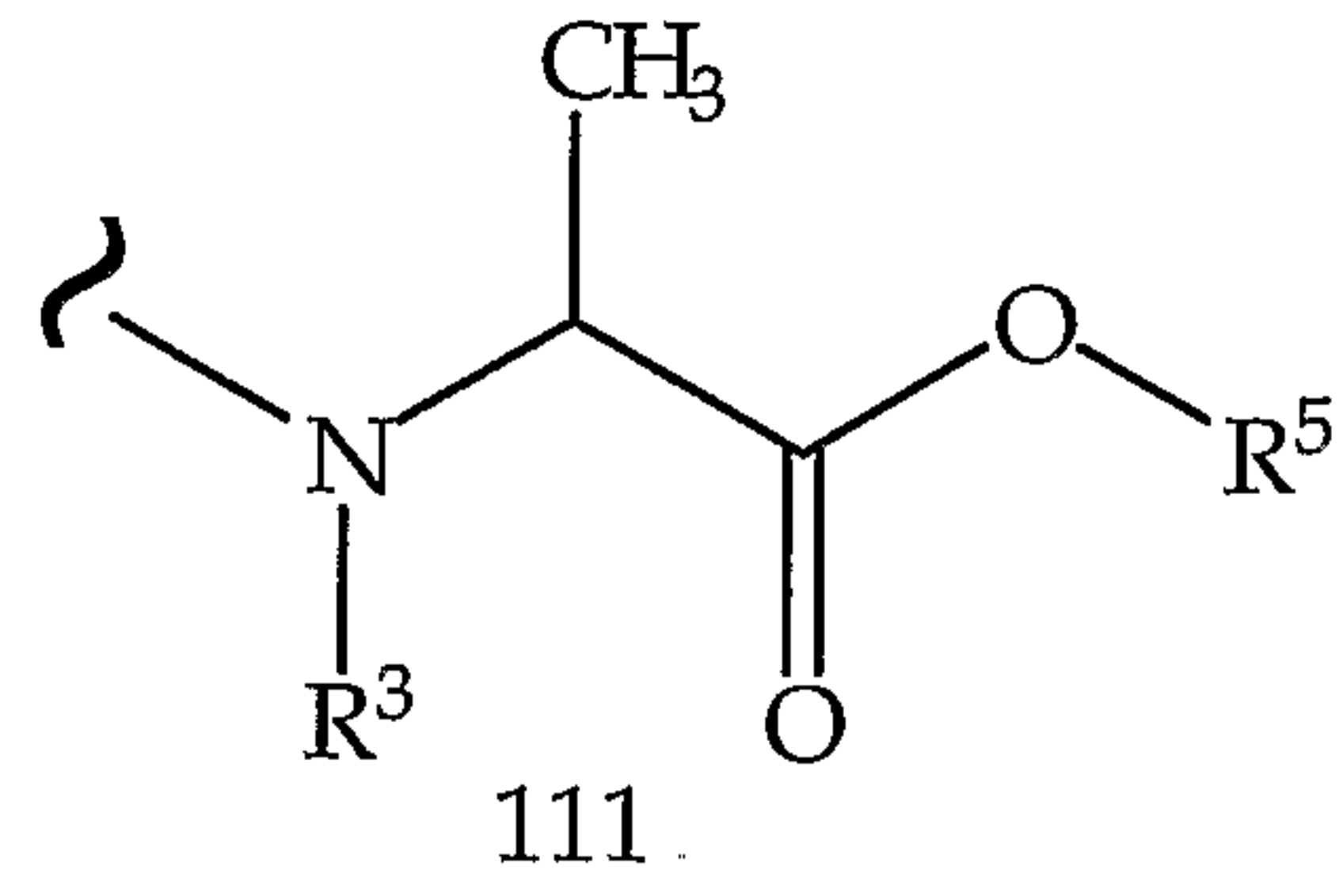
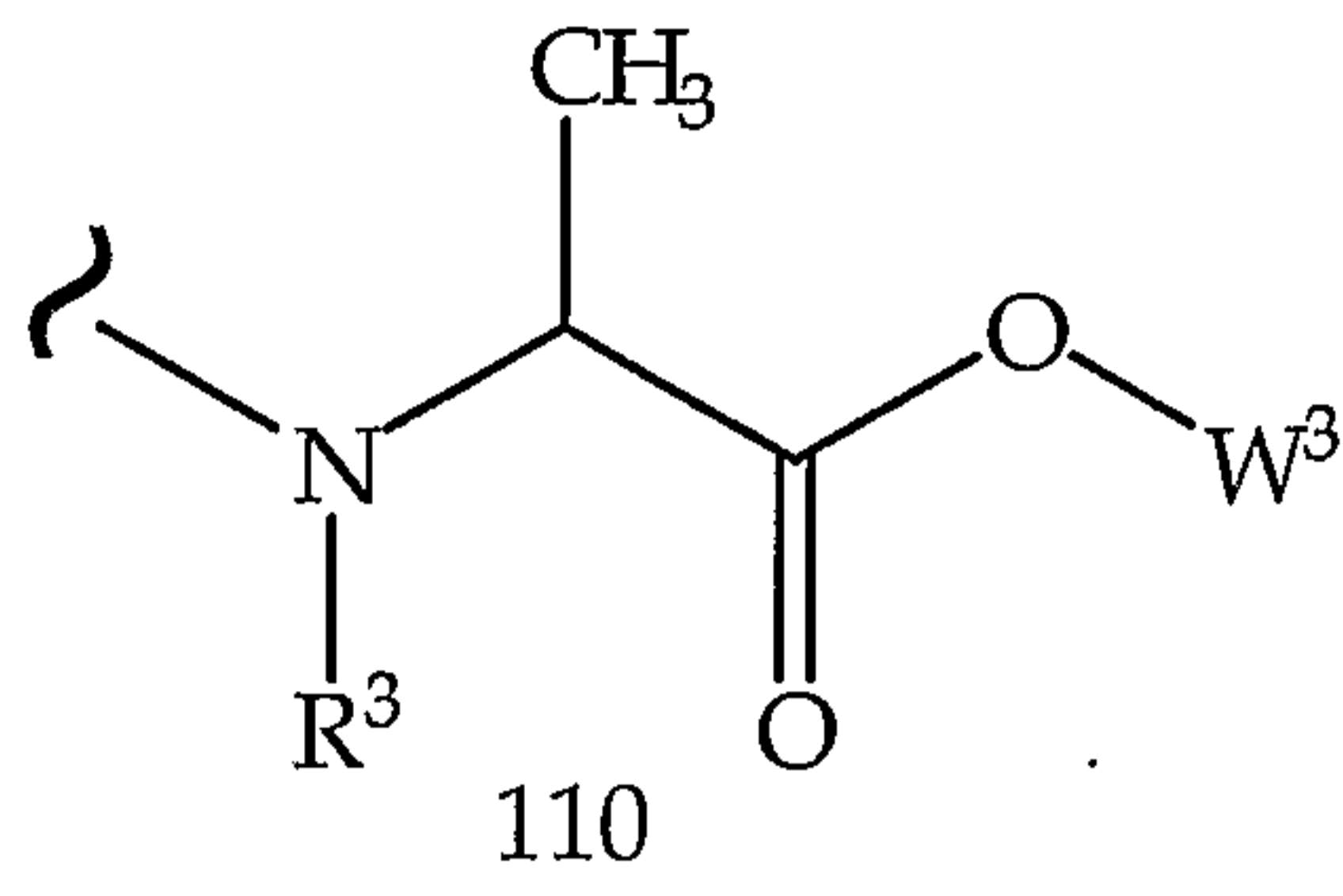




TABLE 20.20

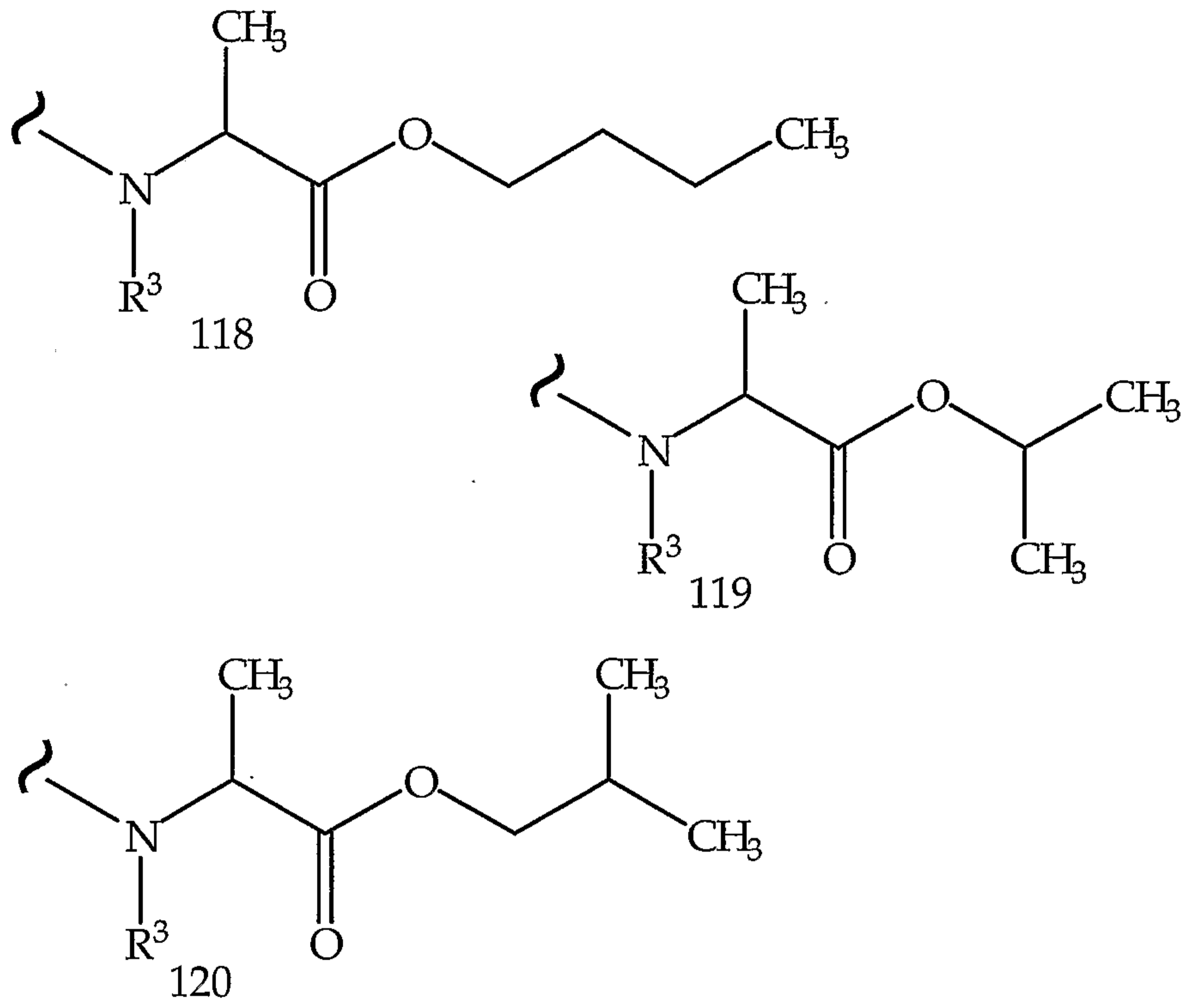


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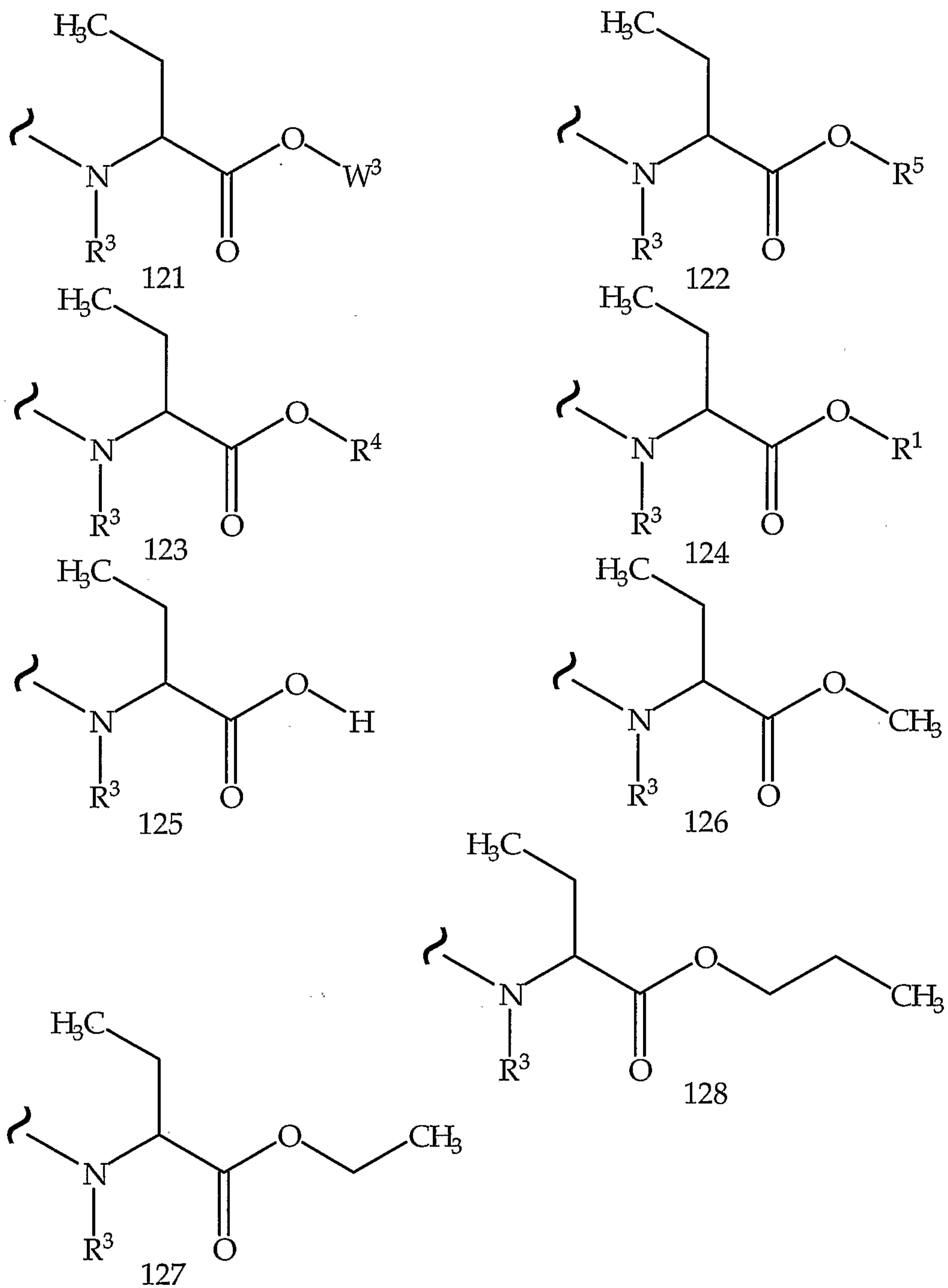


TABLE 20.22

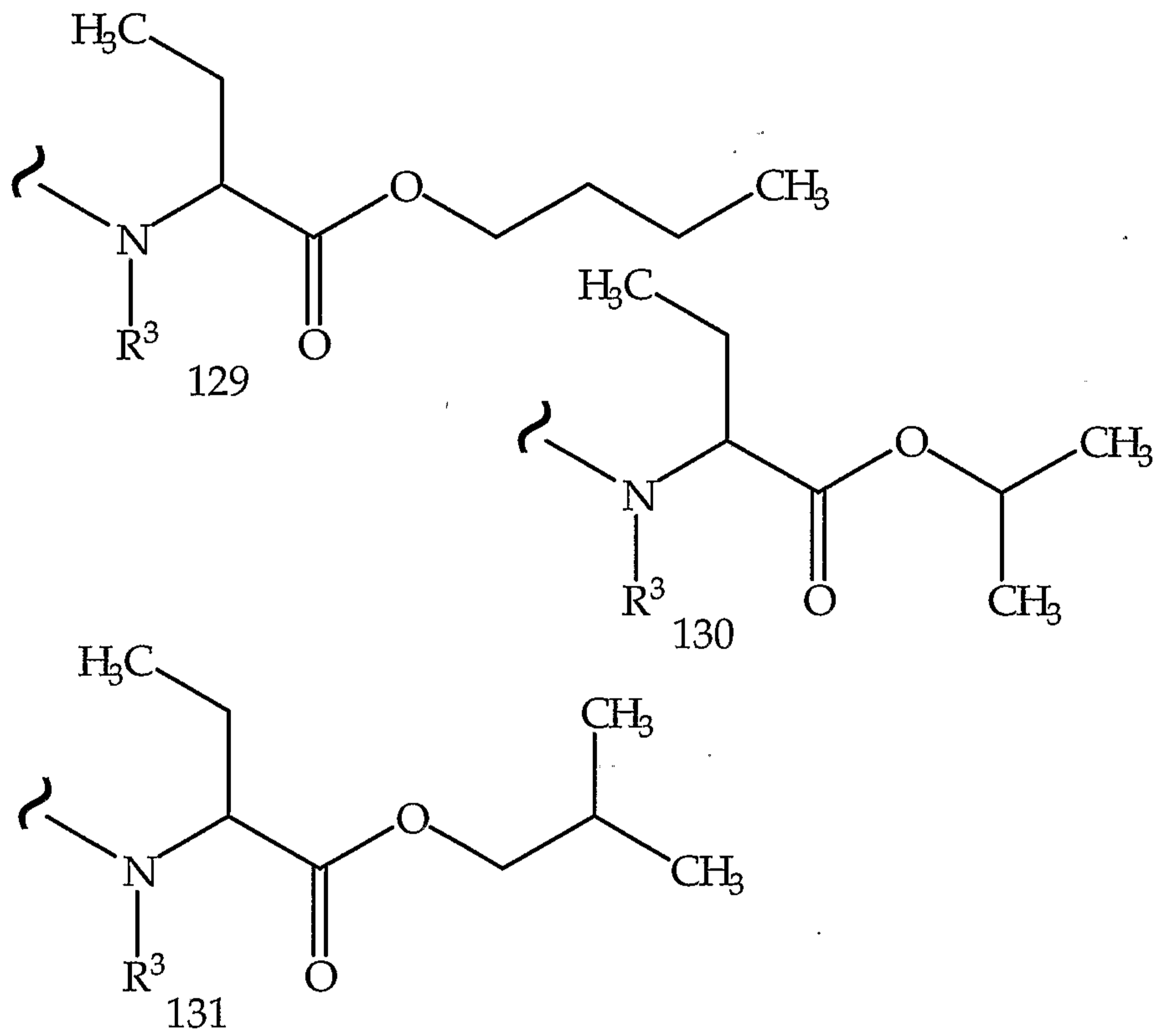


FIGURE 20.25

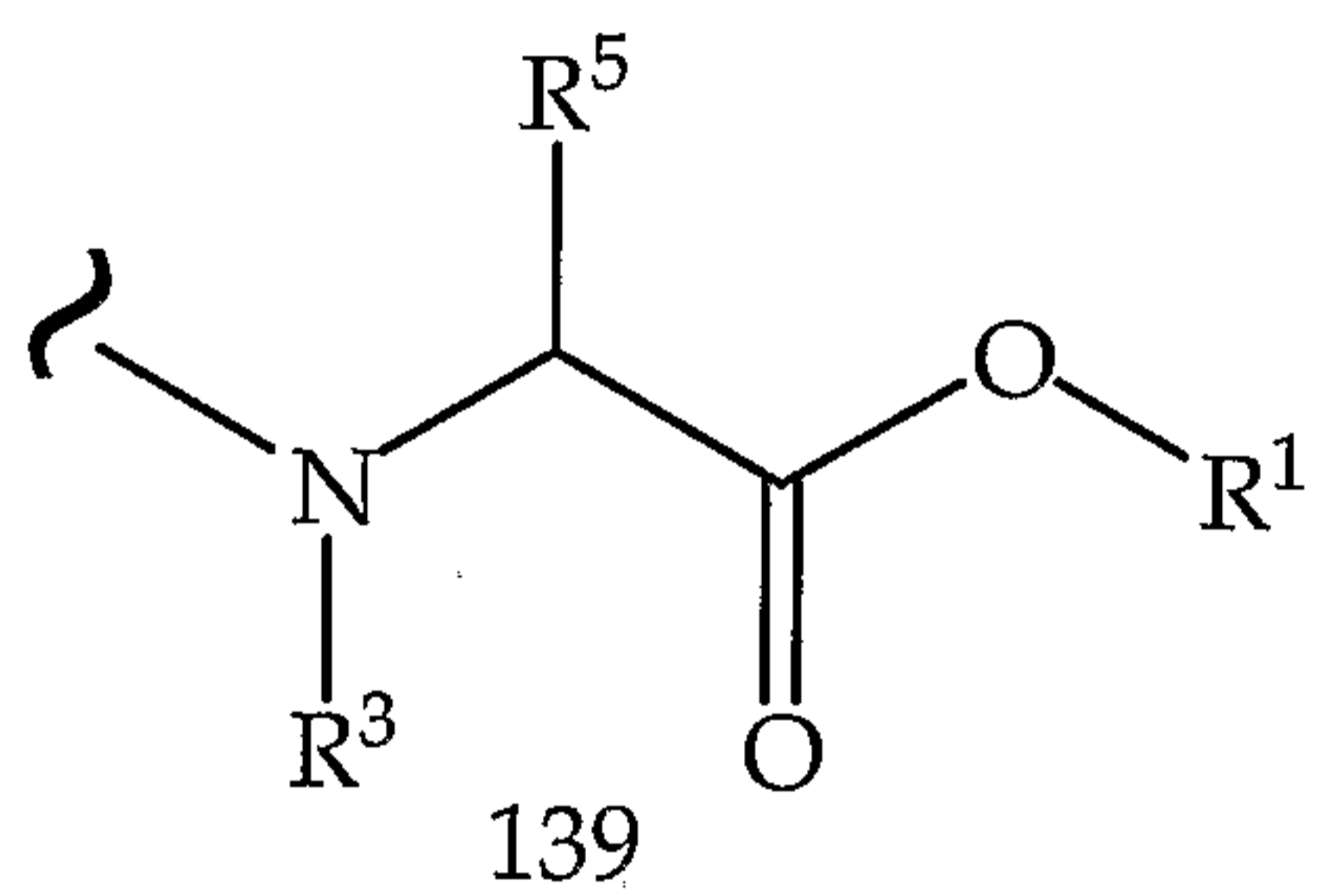
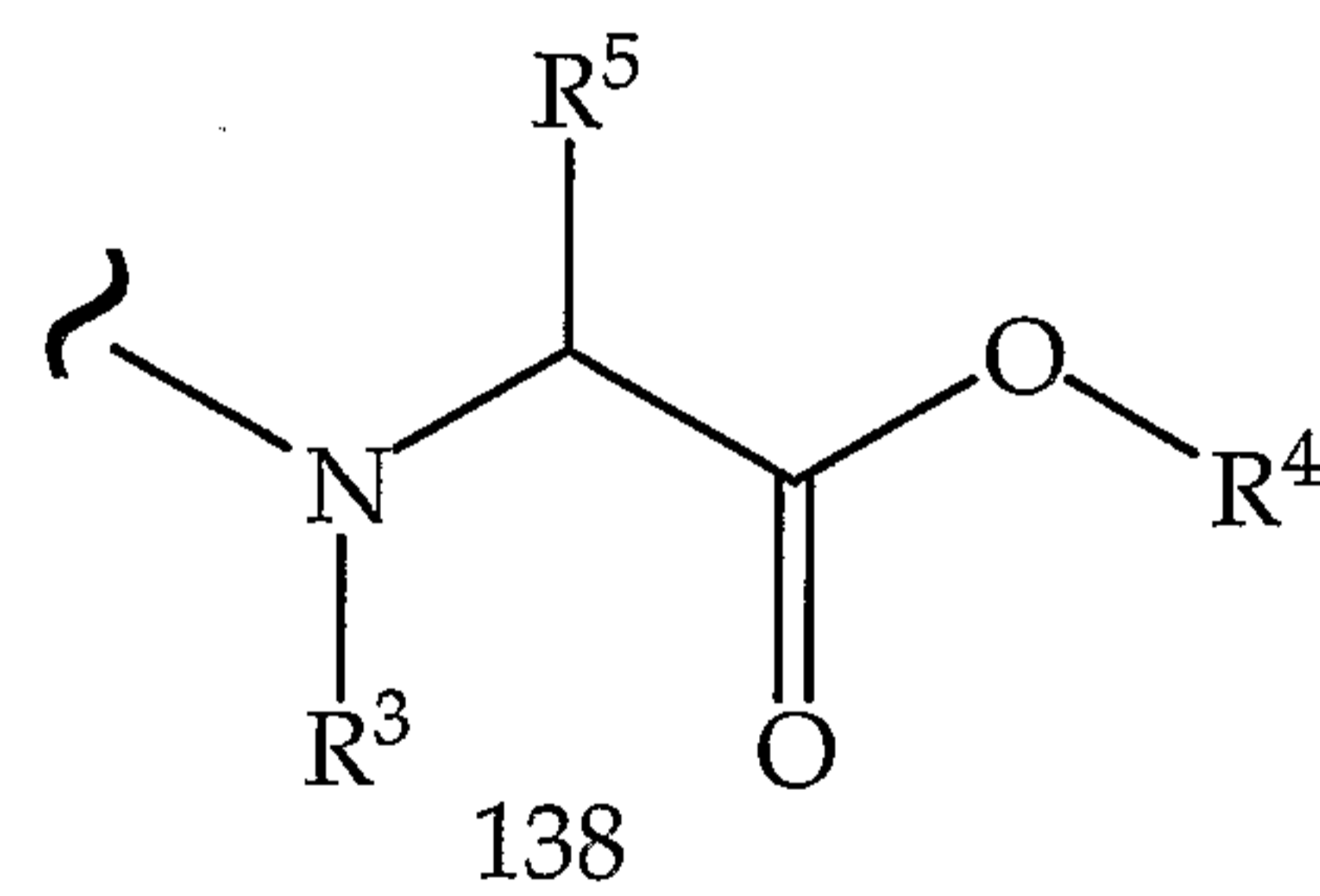
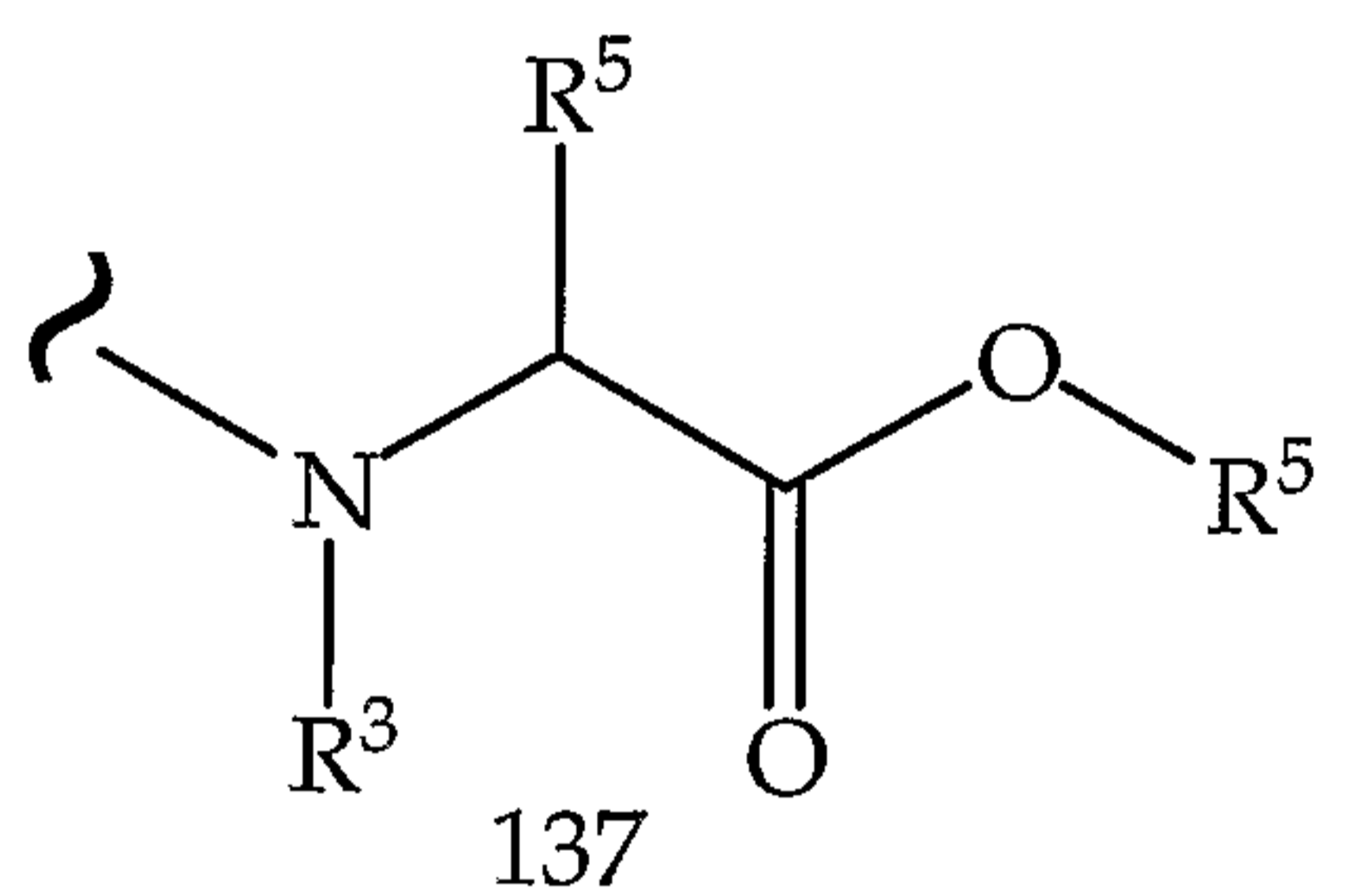
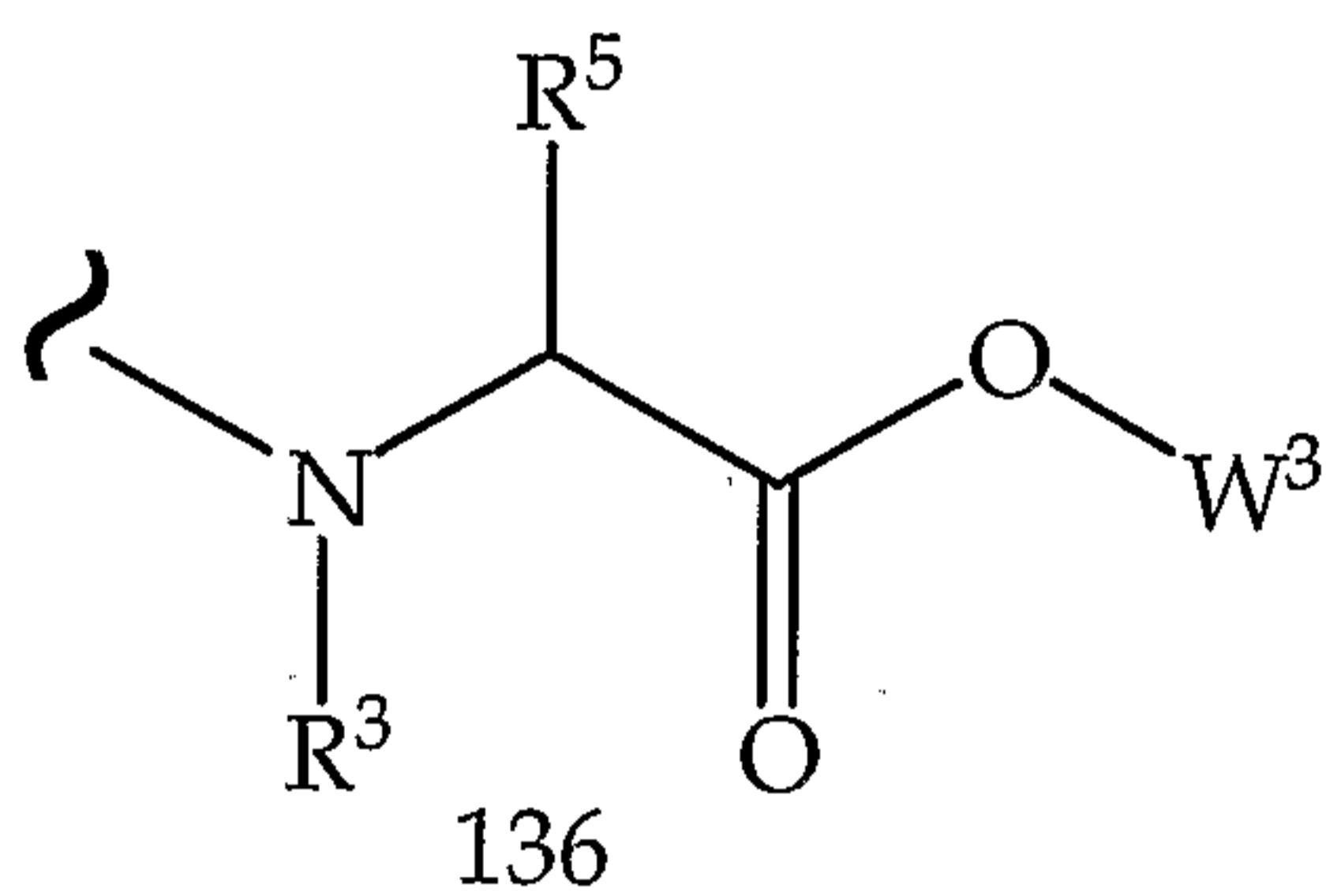
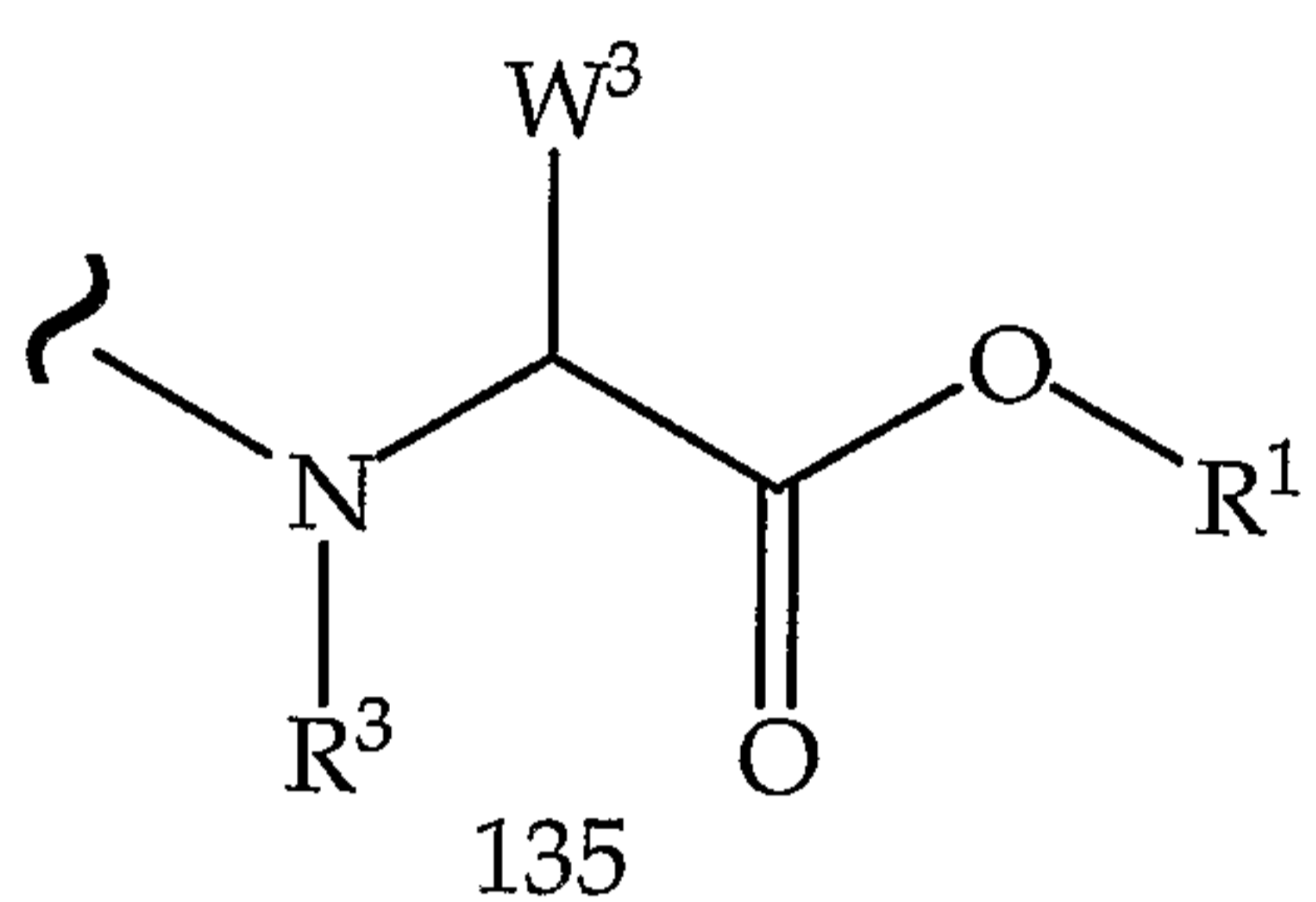
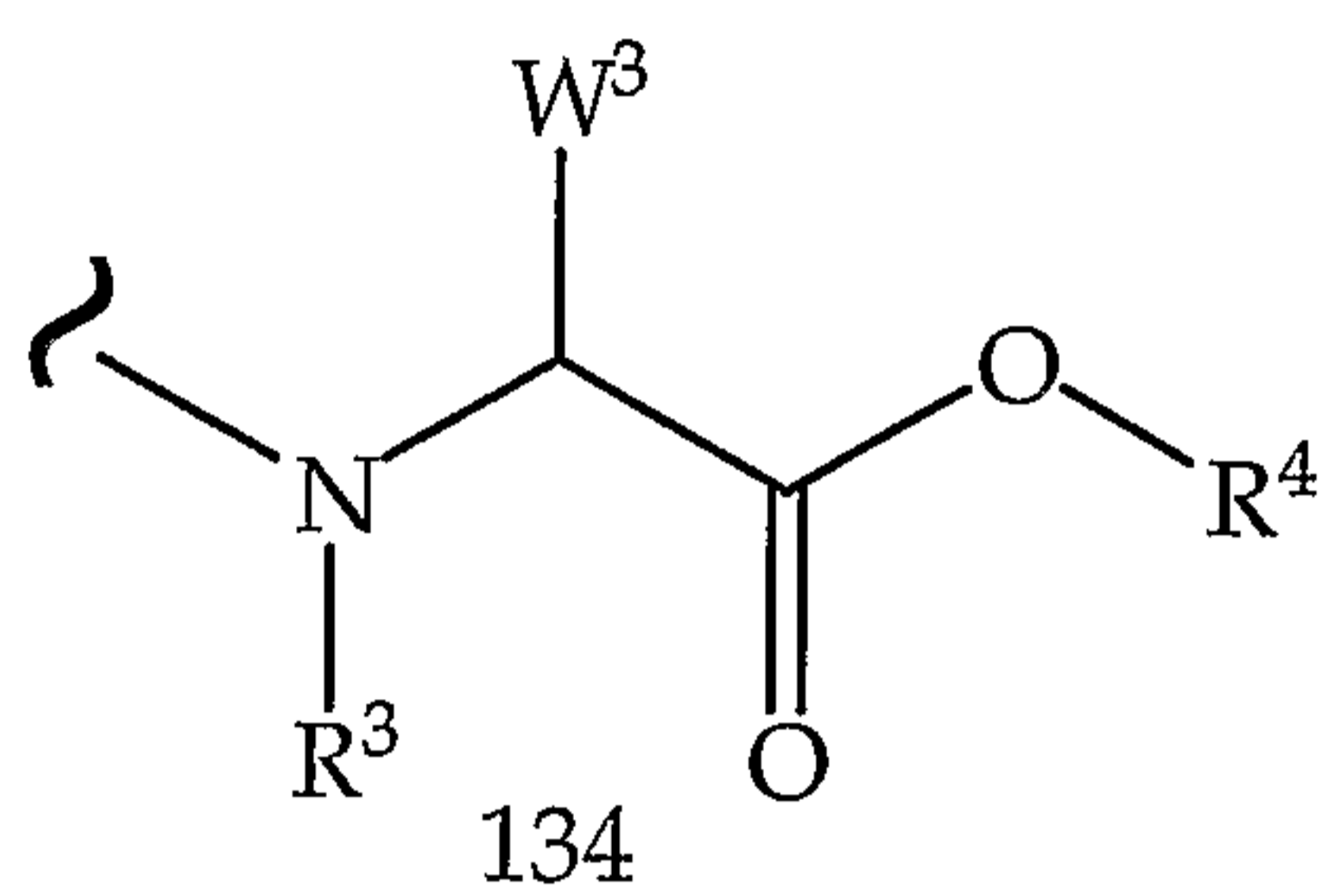
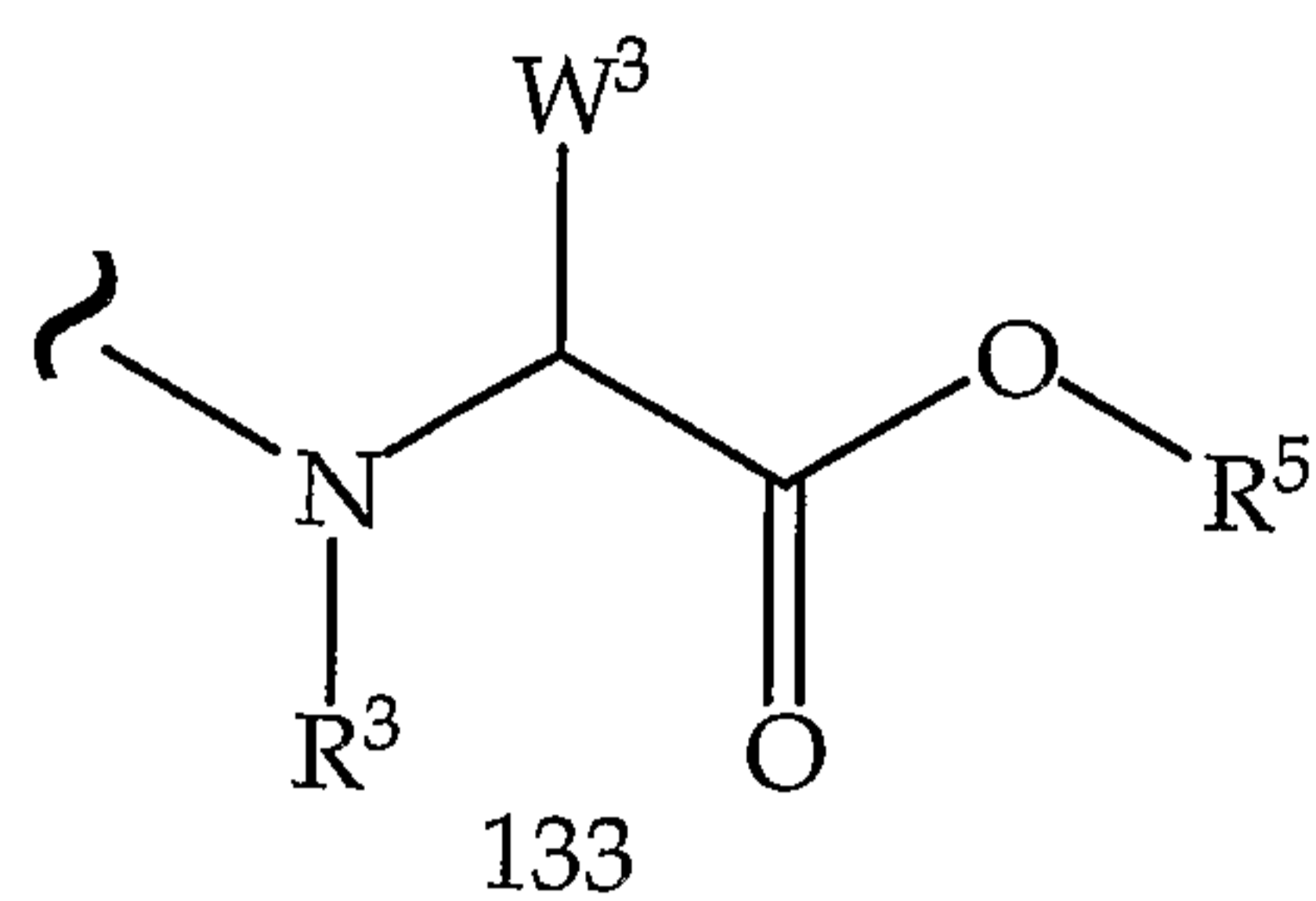
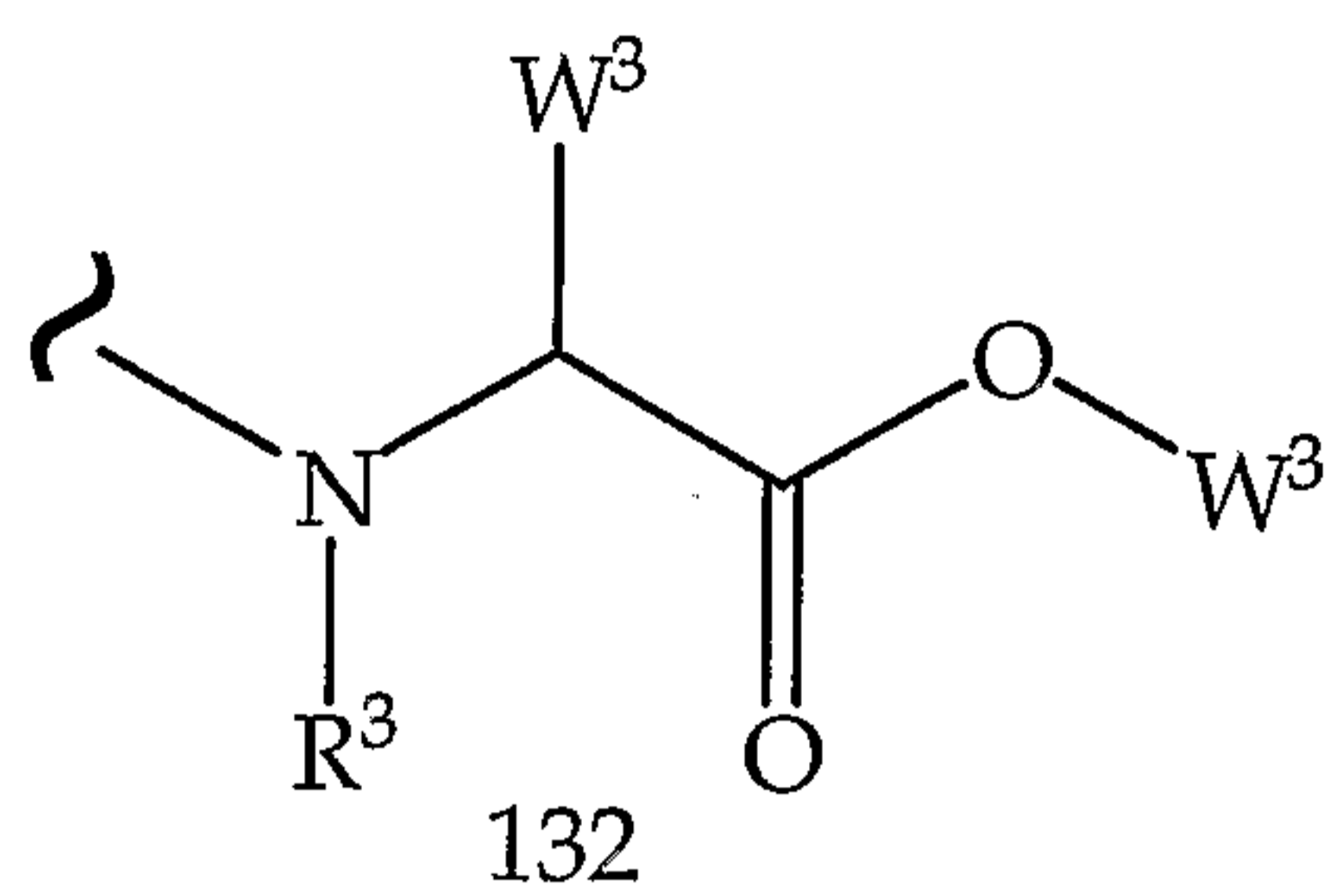


FIGURE 20.27

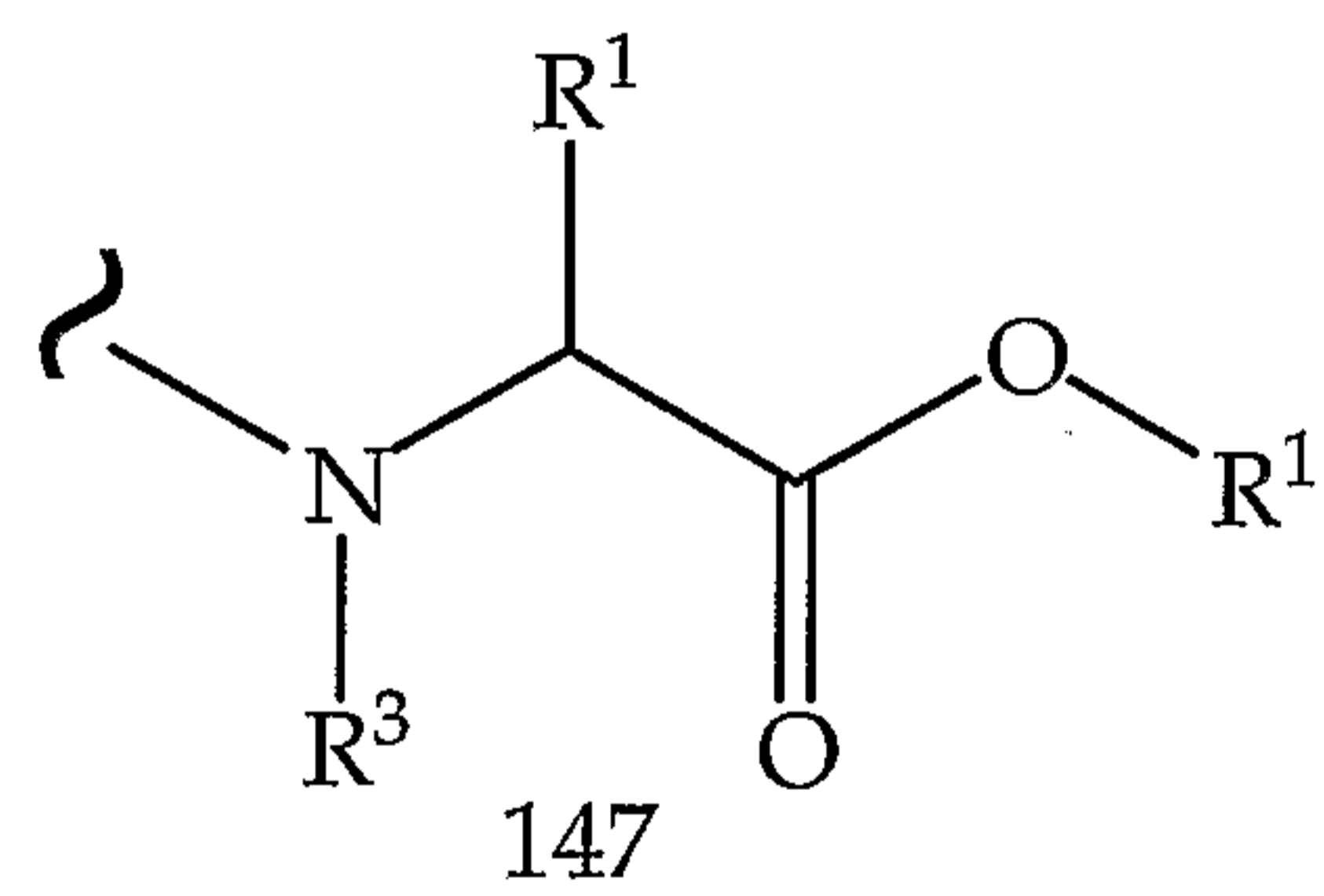
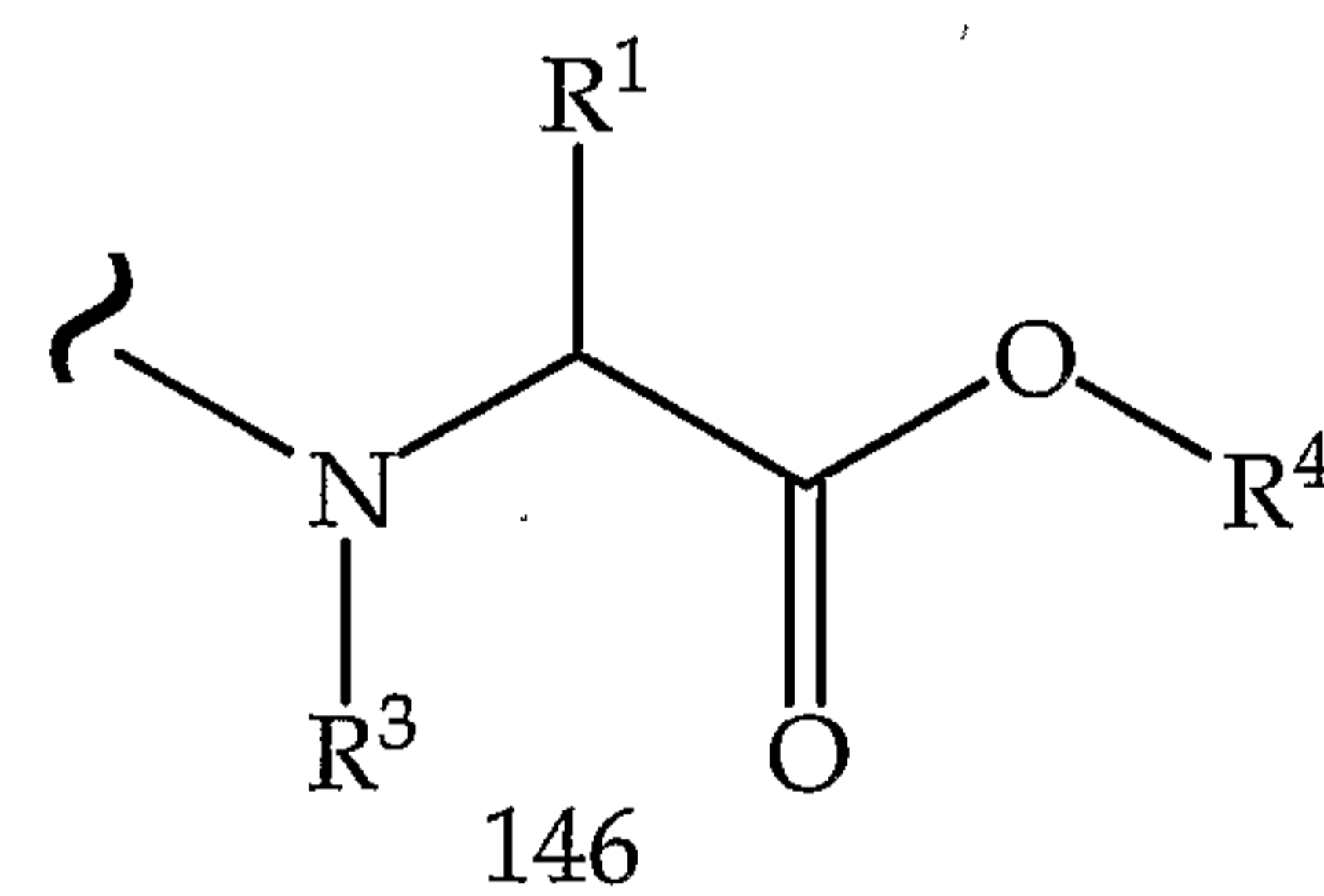
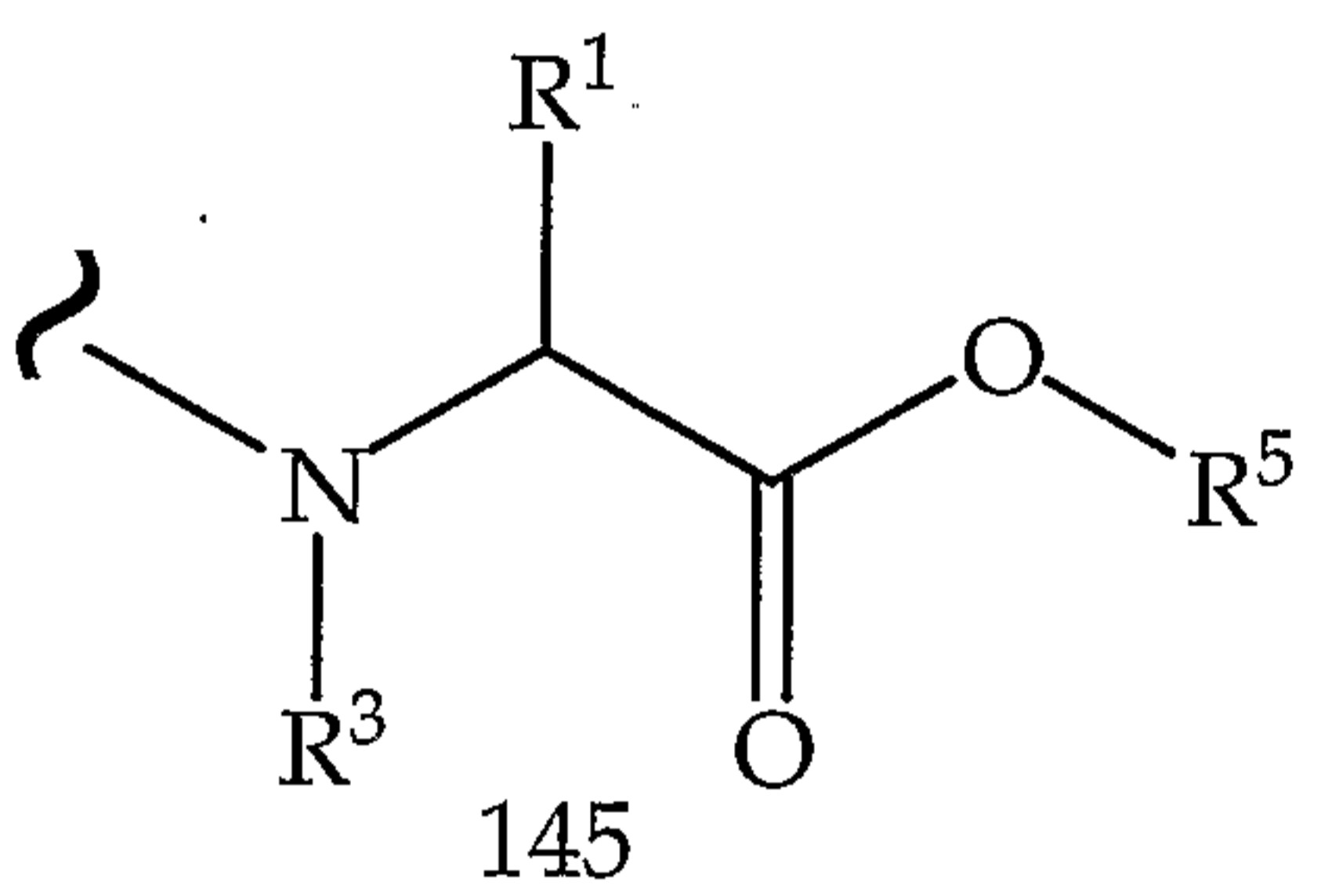
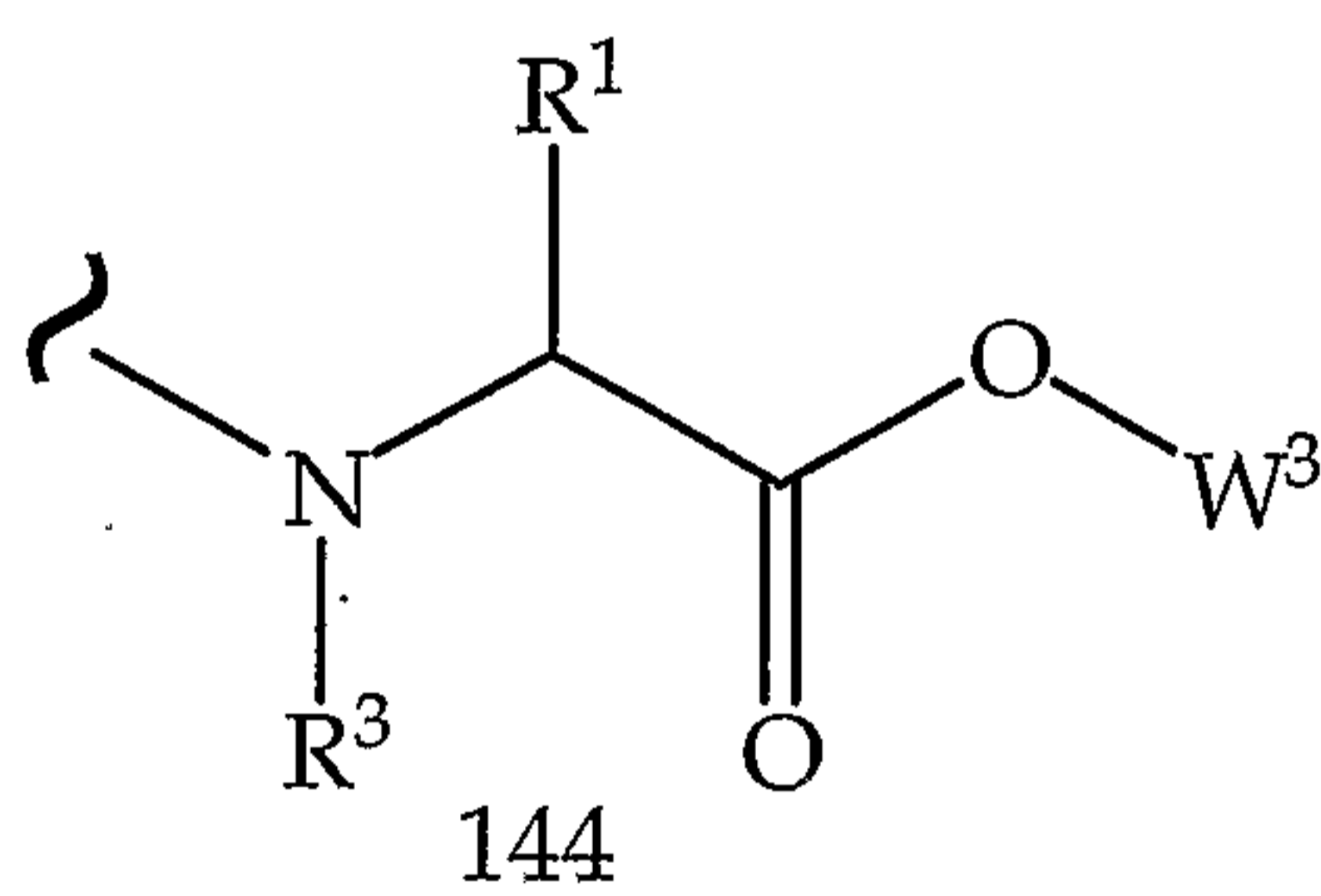
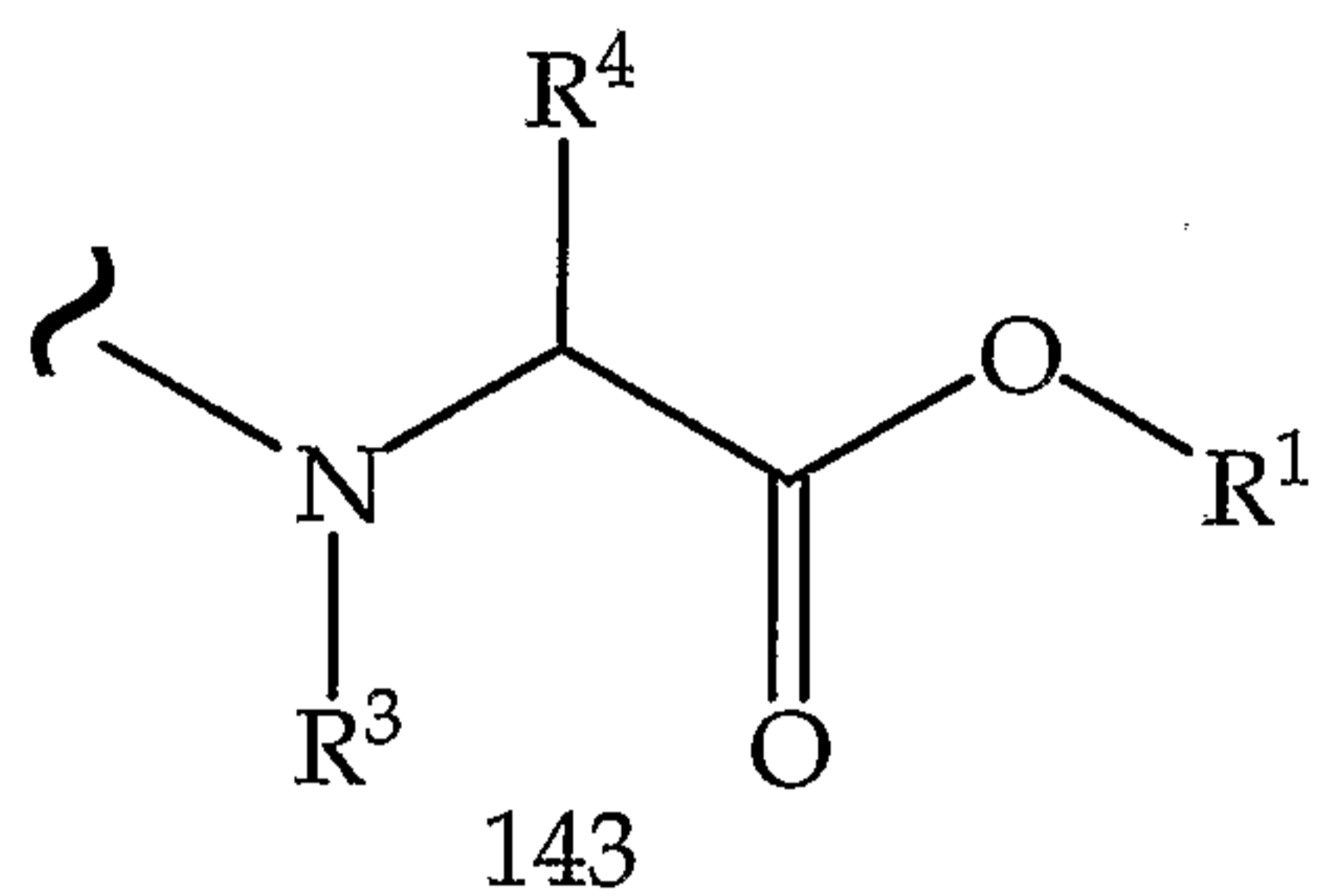
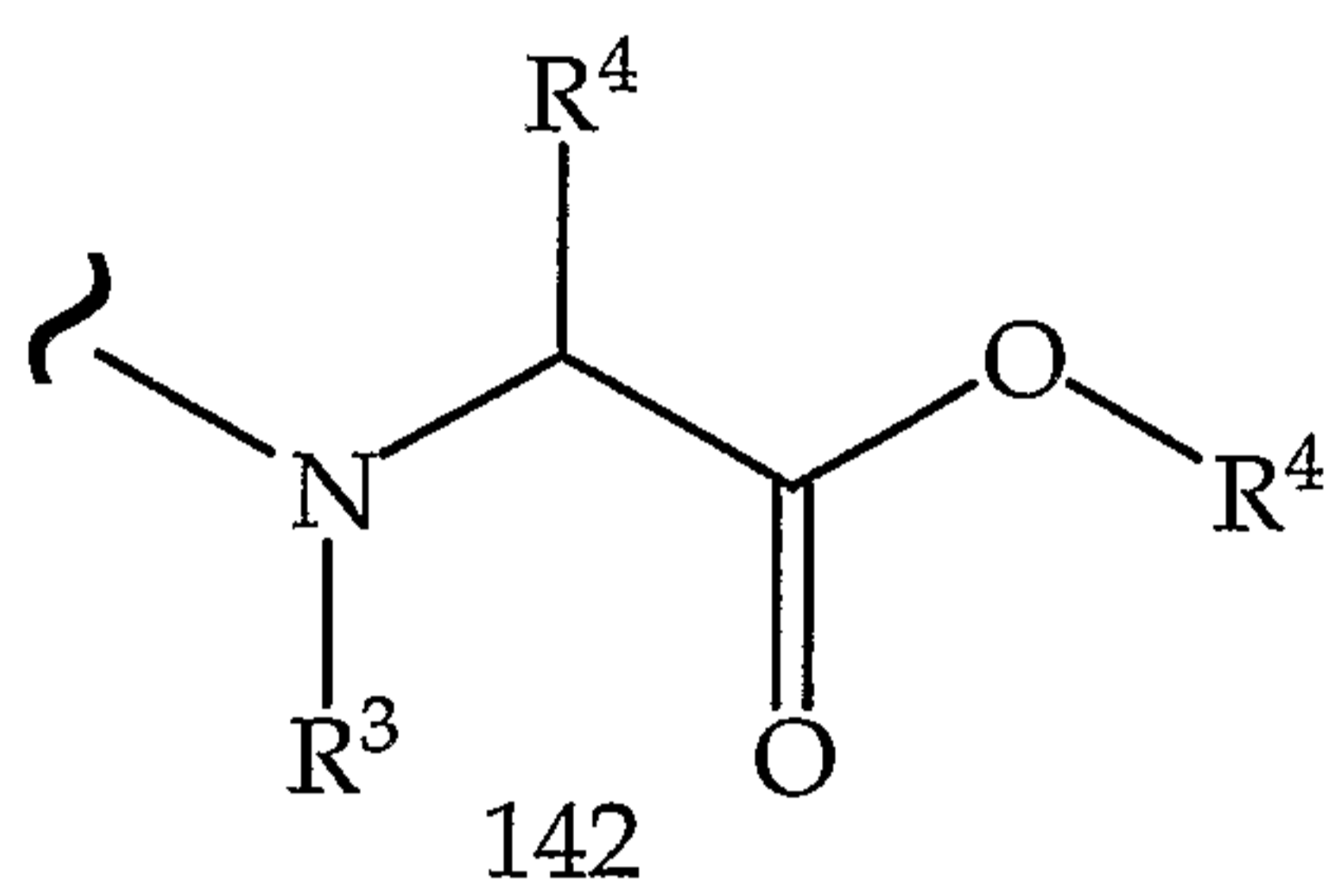
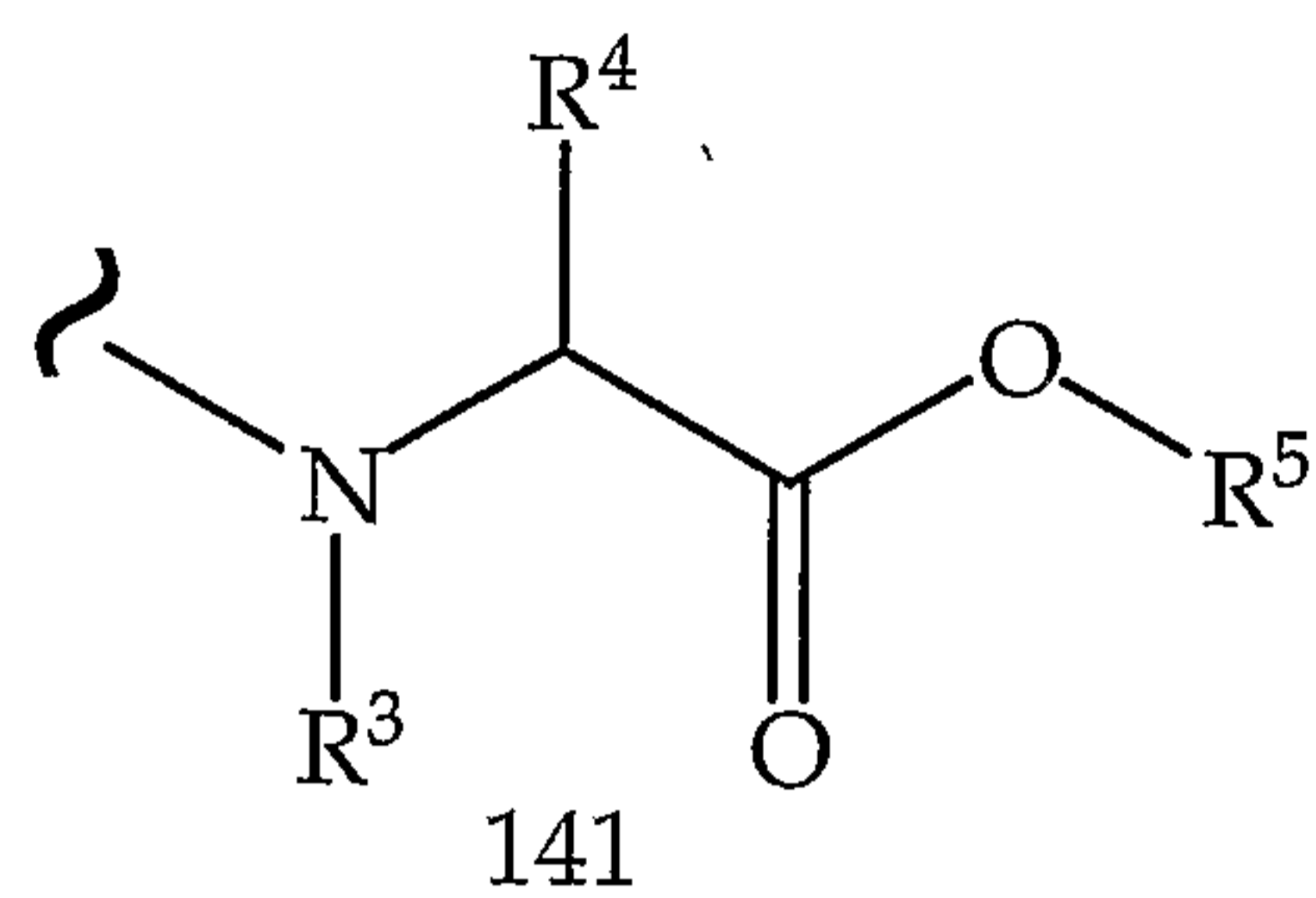
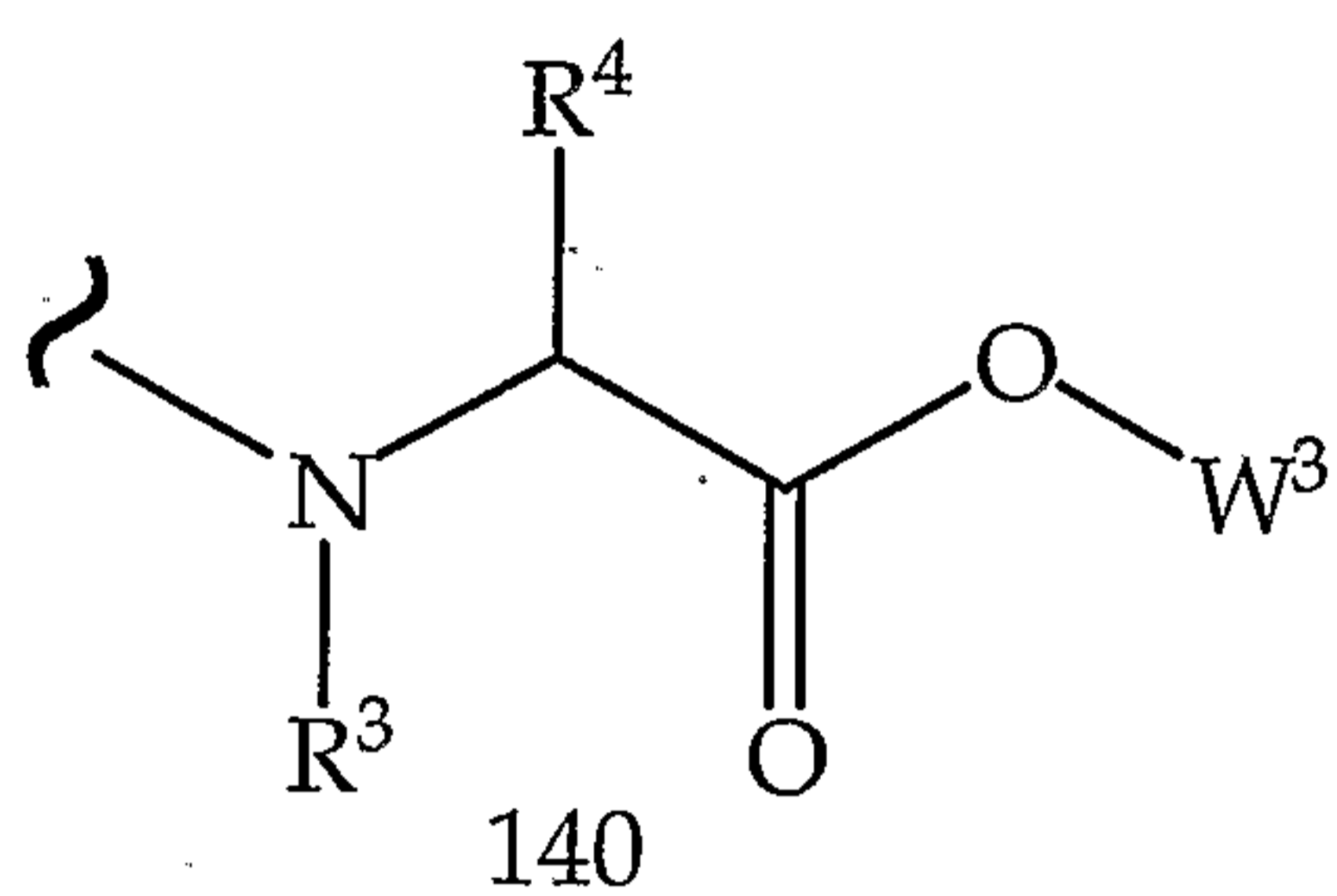
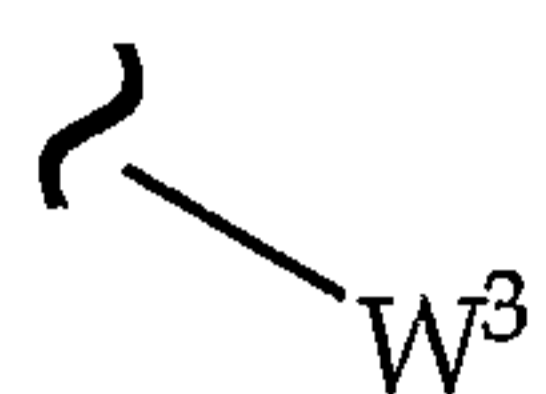
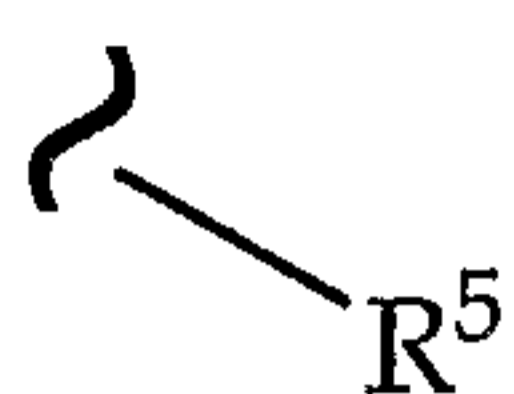


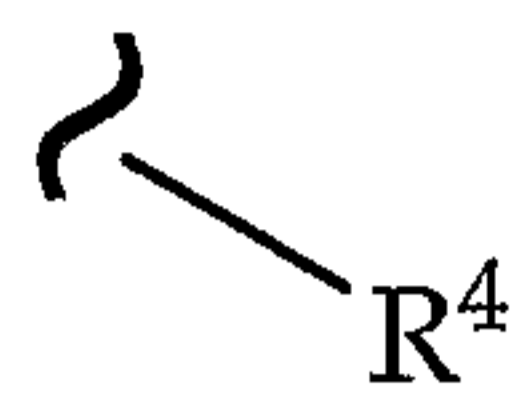
TABLE 20.23



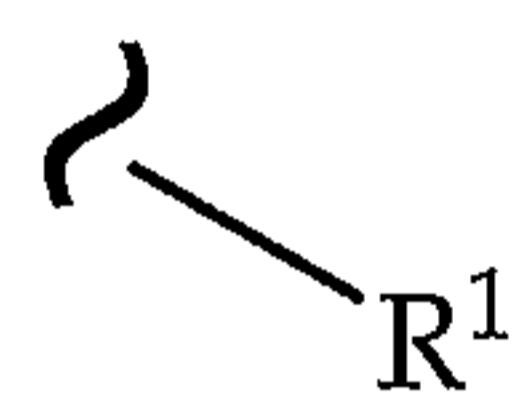
148



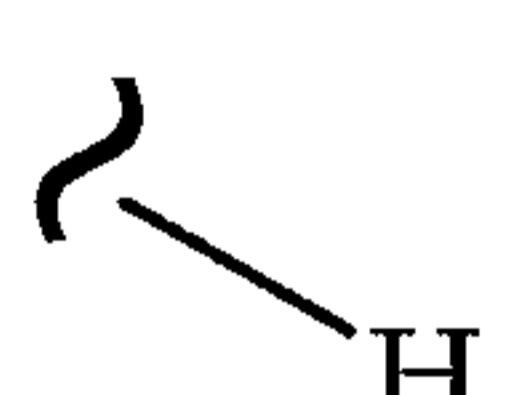
149



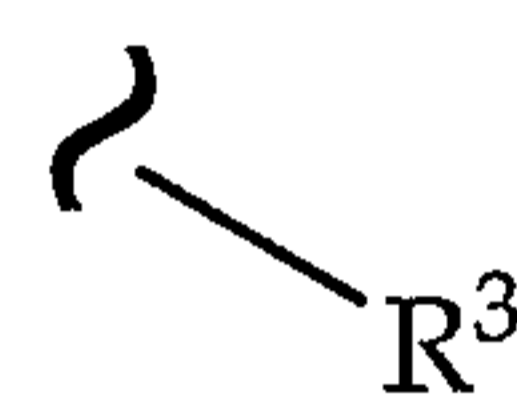
150



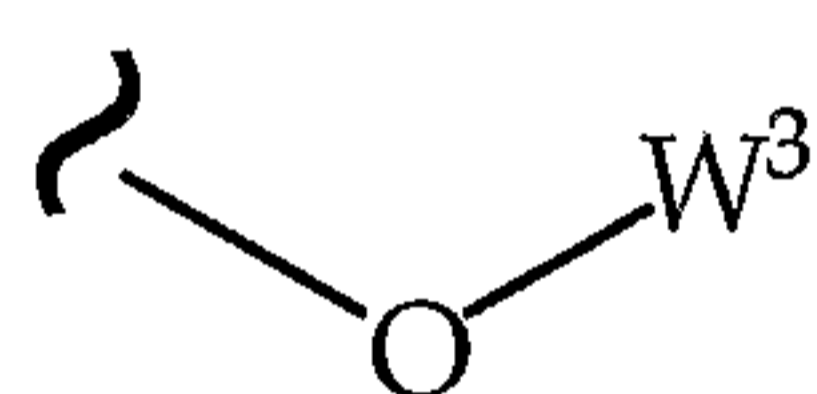
151



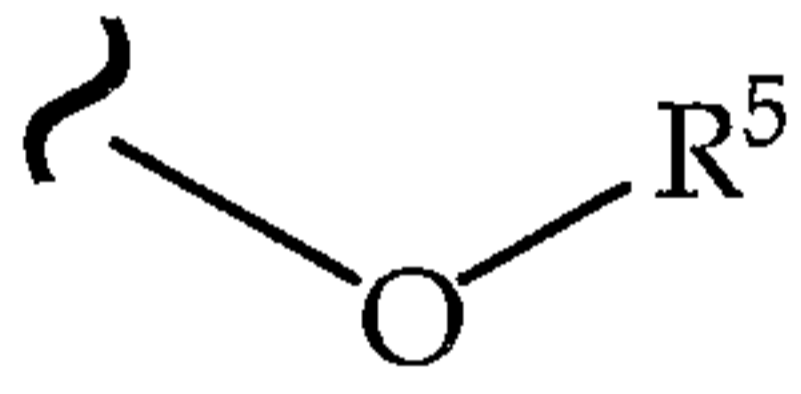
152



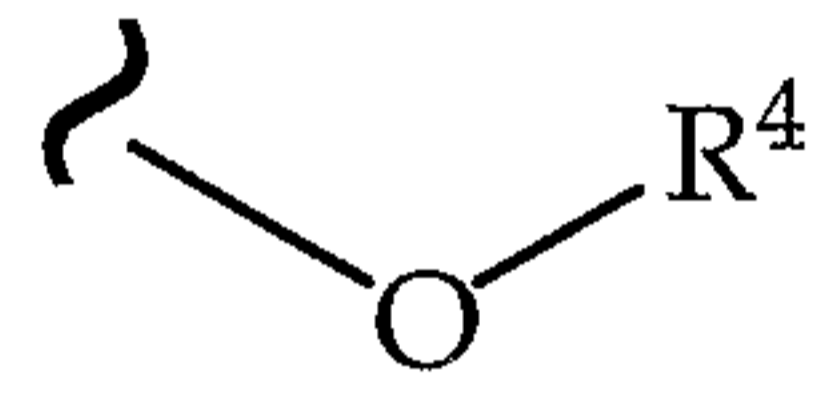
153



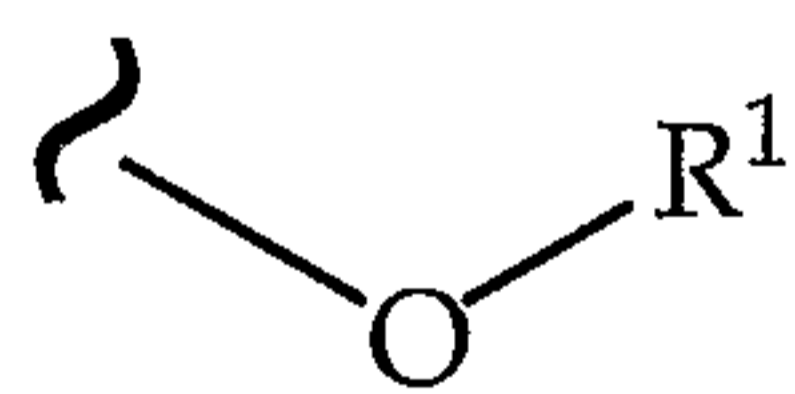
154



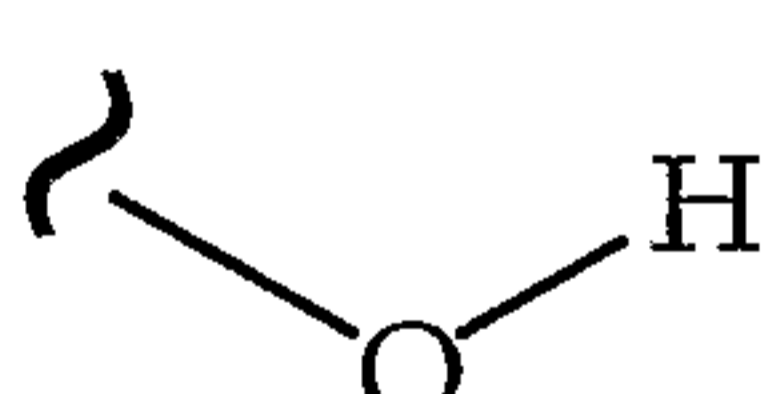
155



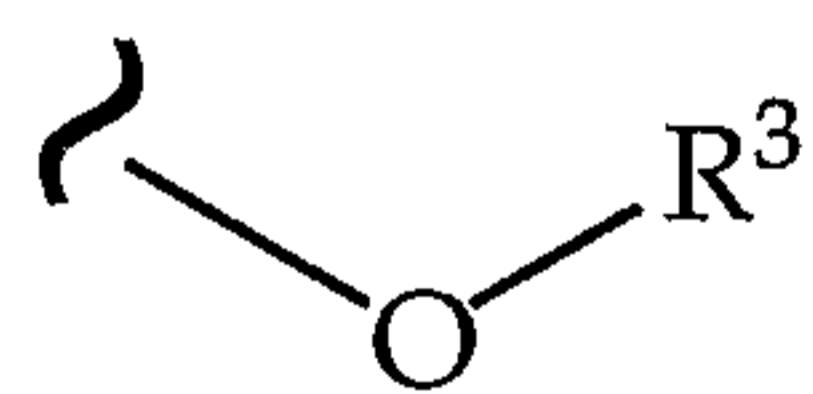
156



157

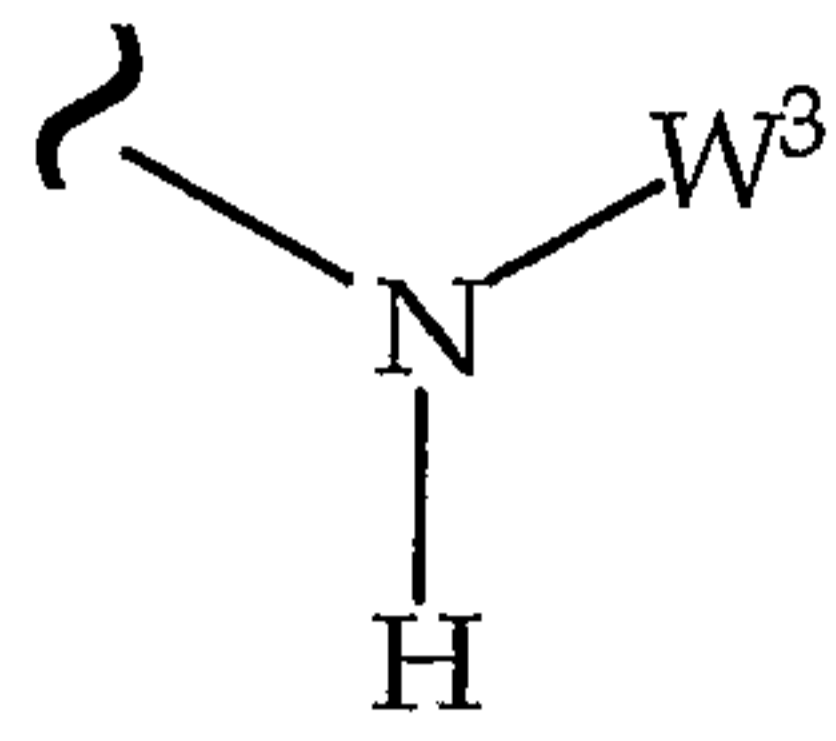


158

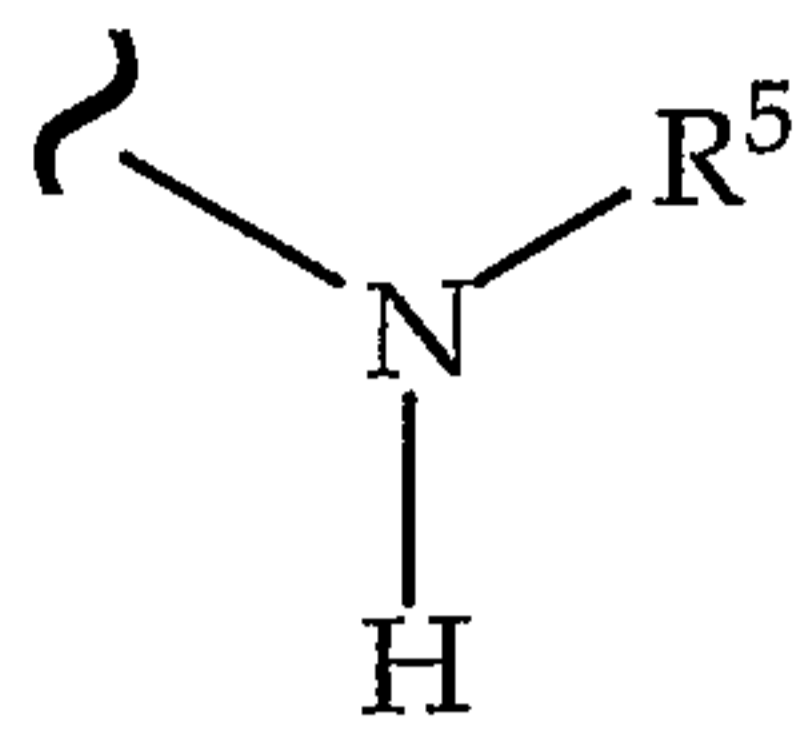


159

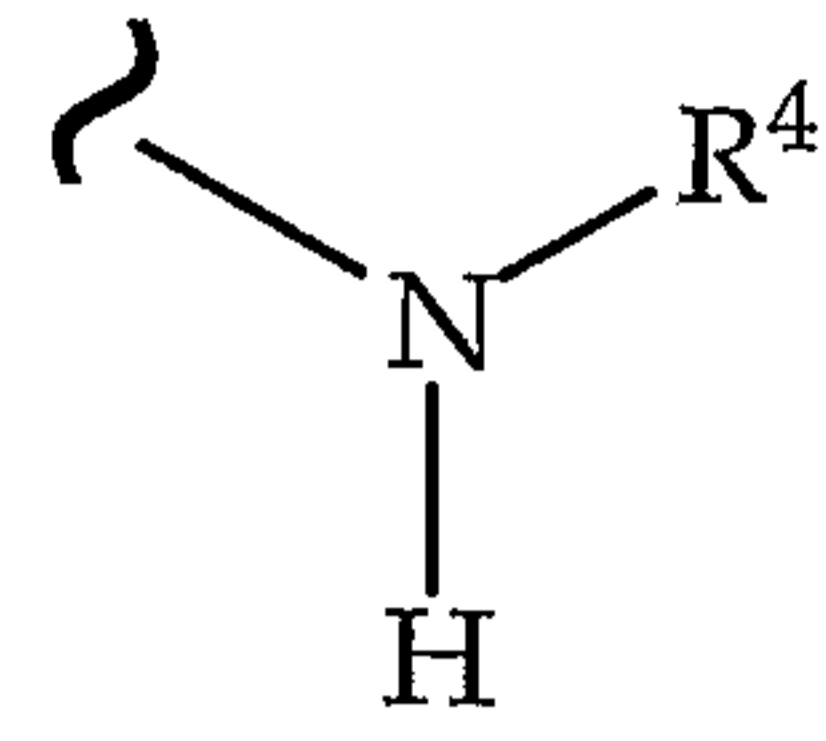
TABLE 20.20



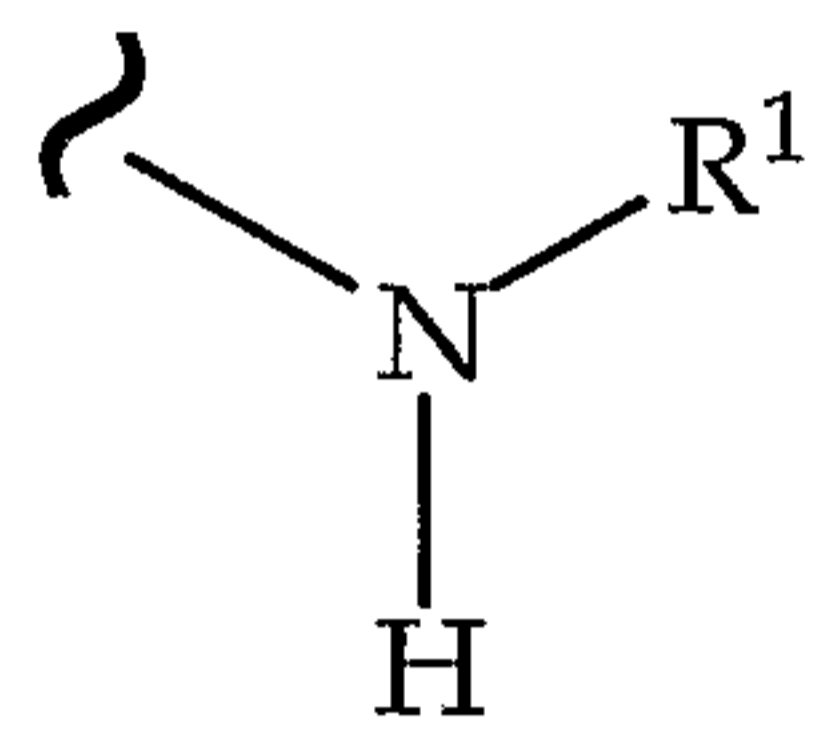
160



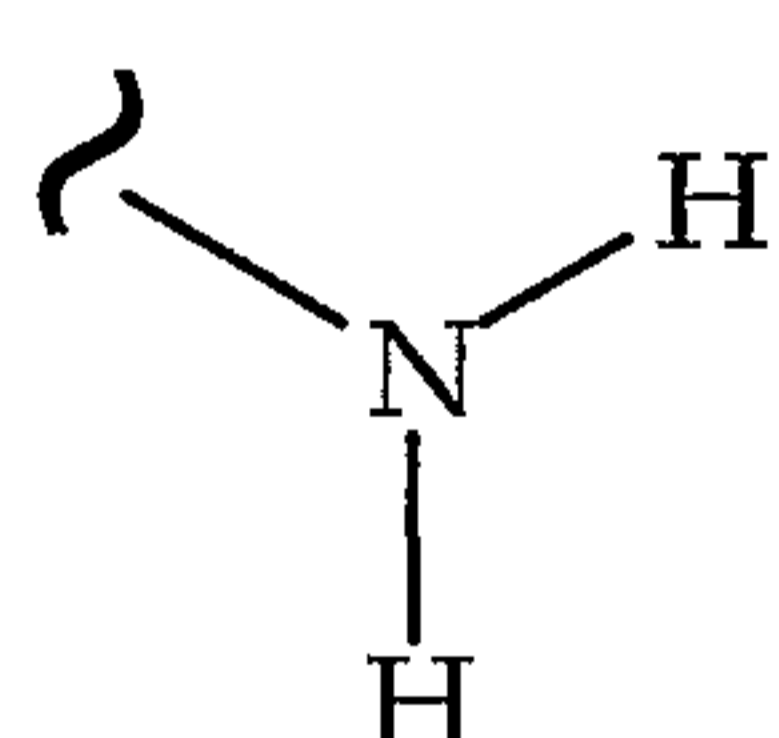
161



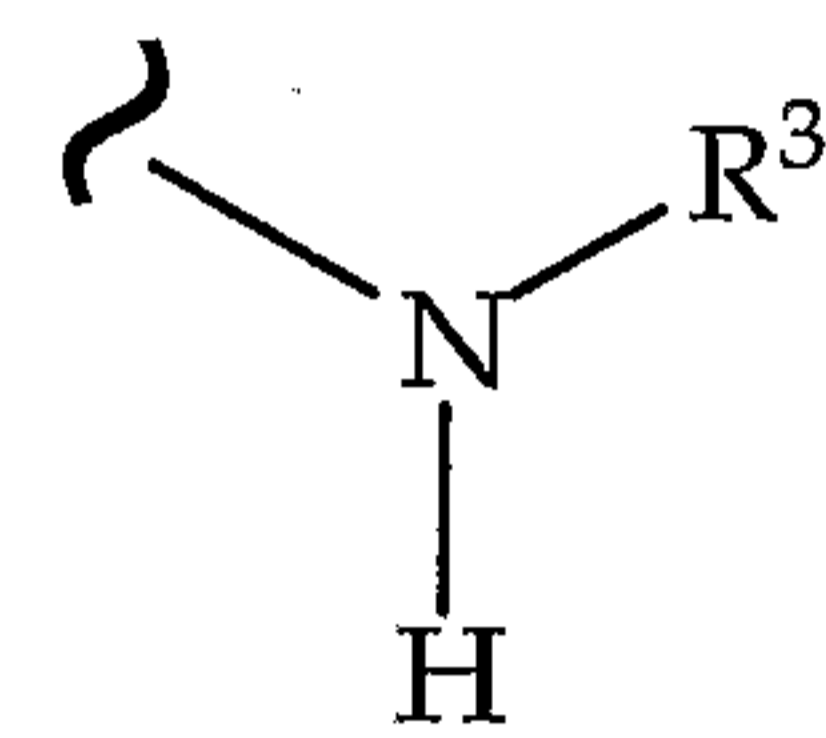
162



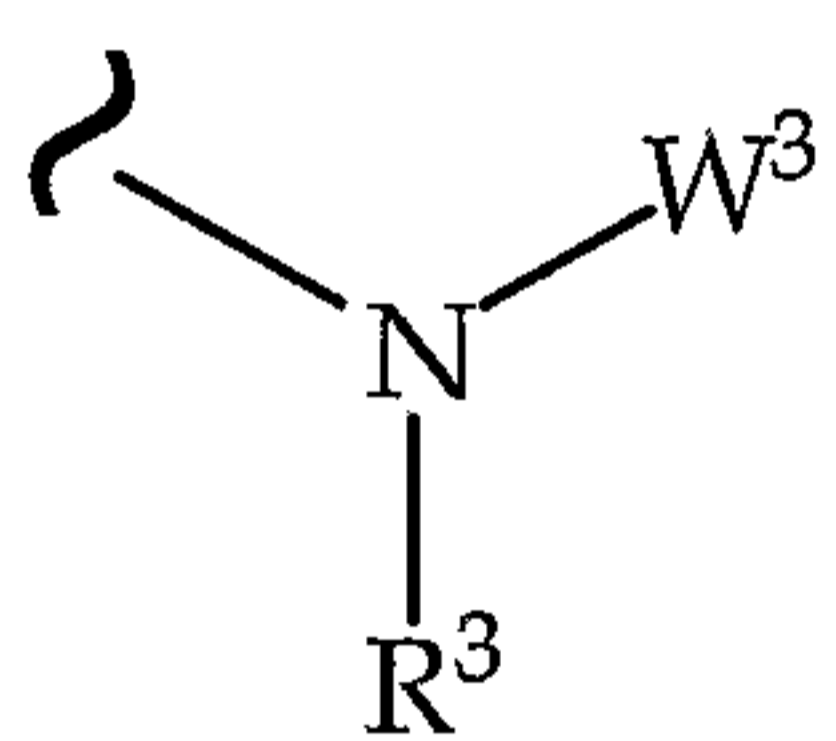
163



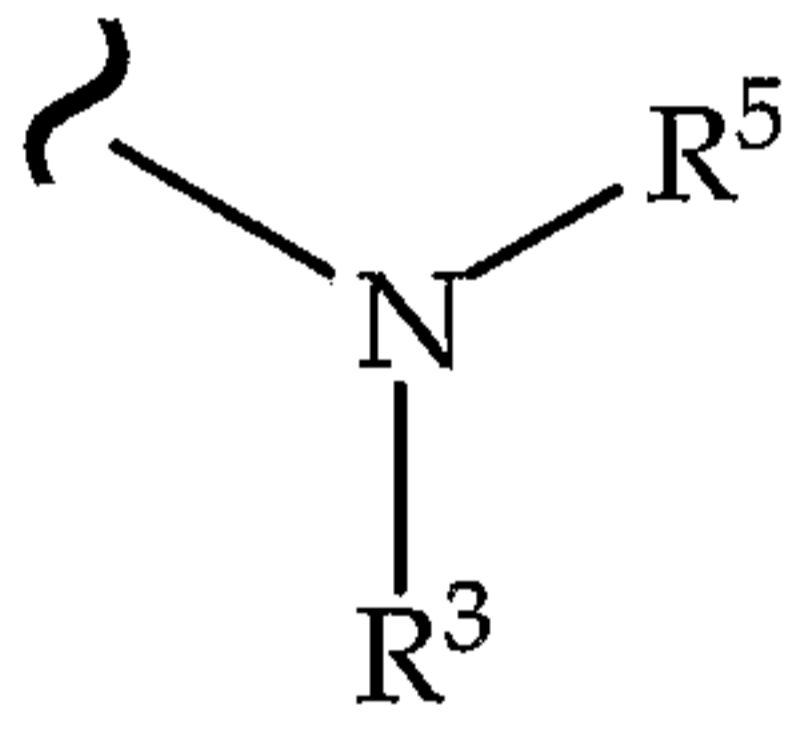
164



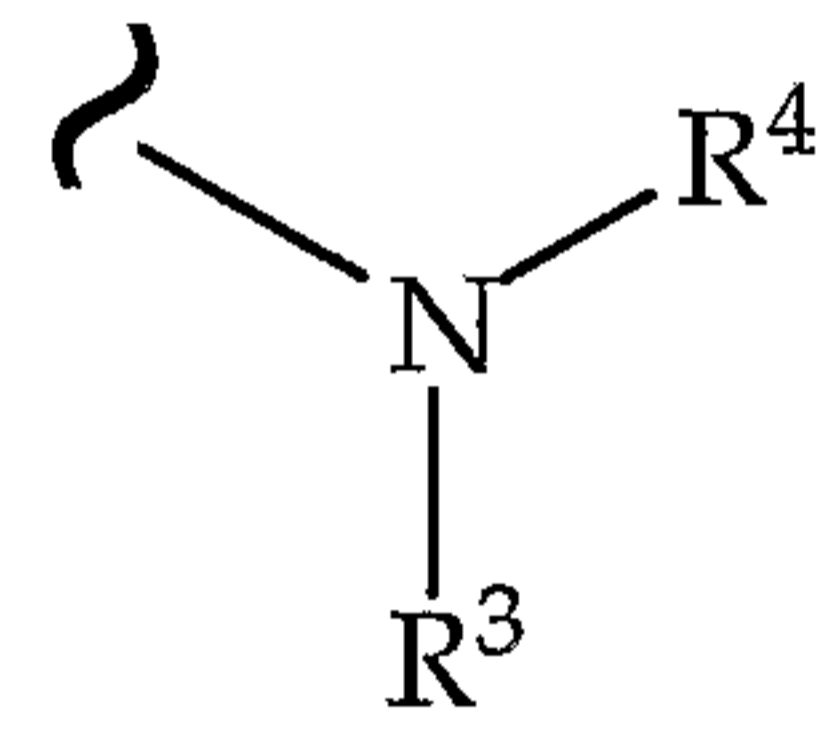
165



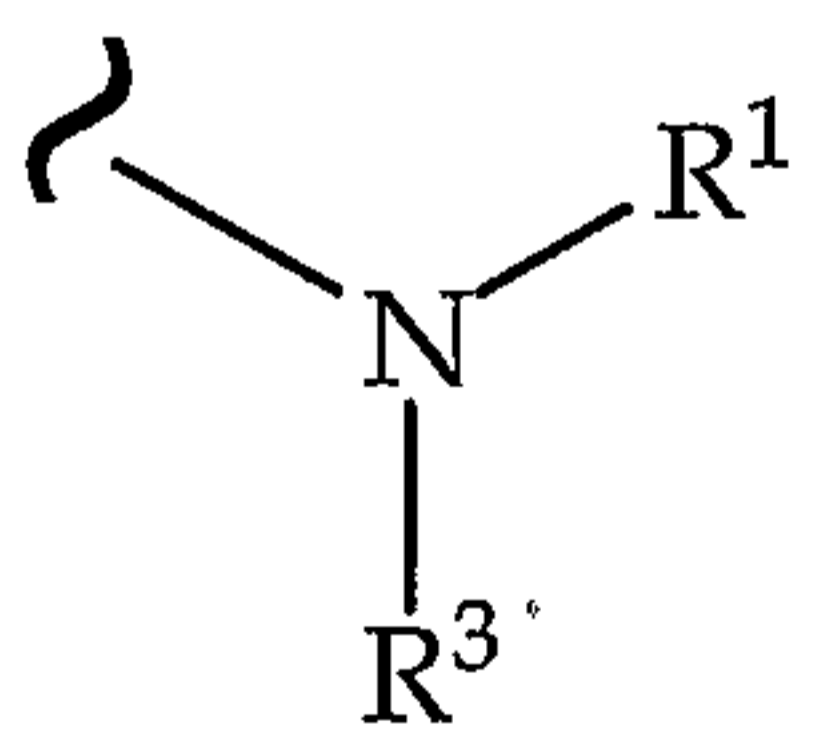
166



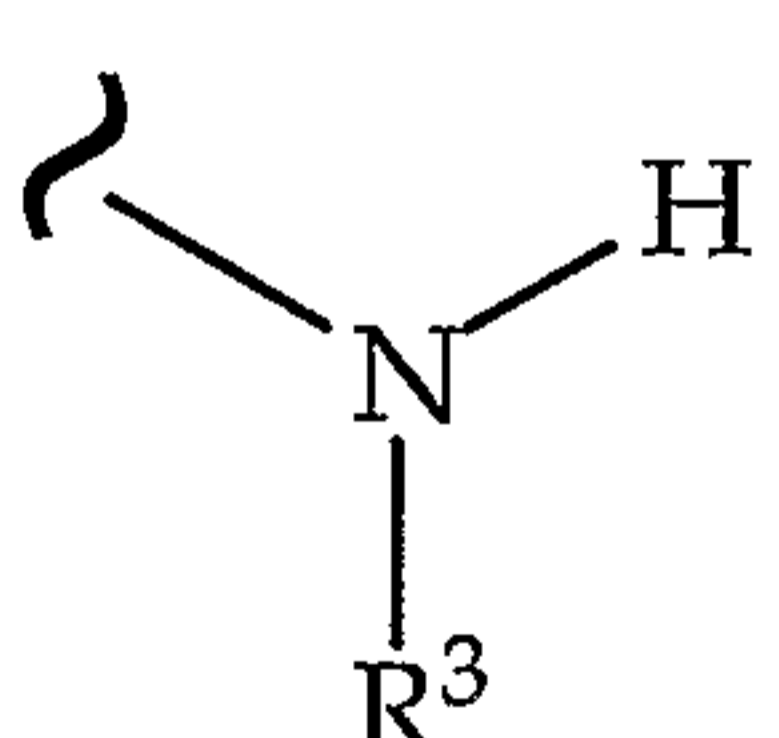
167



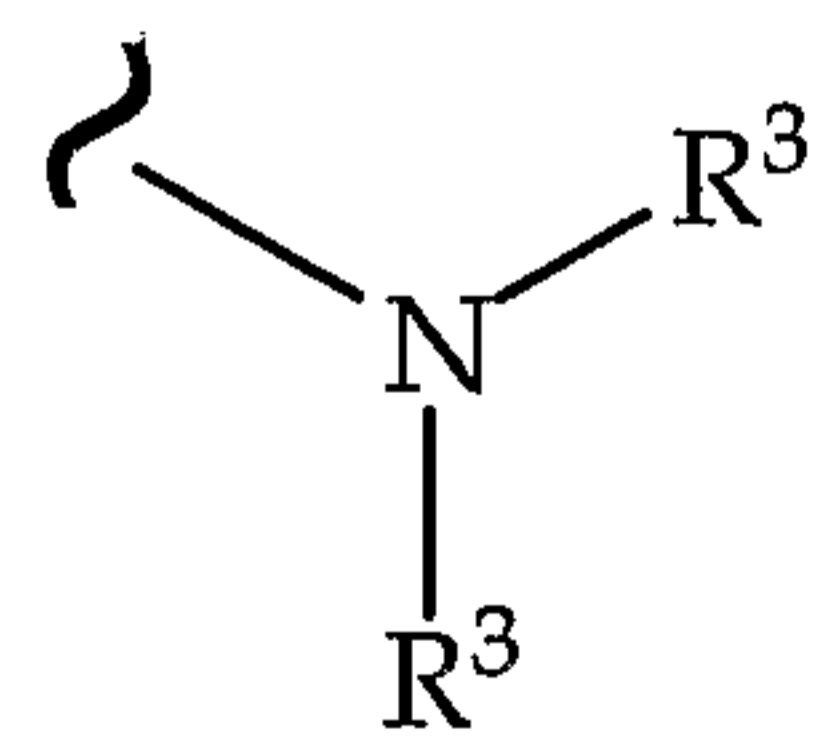
168



169

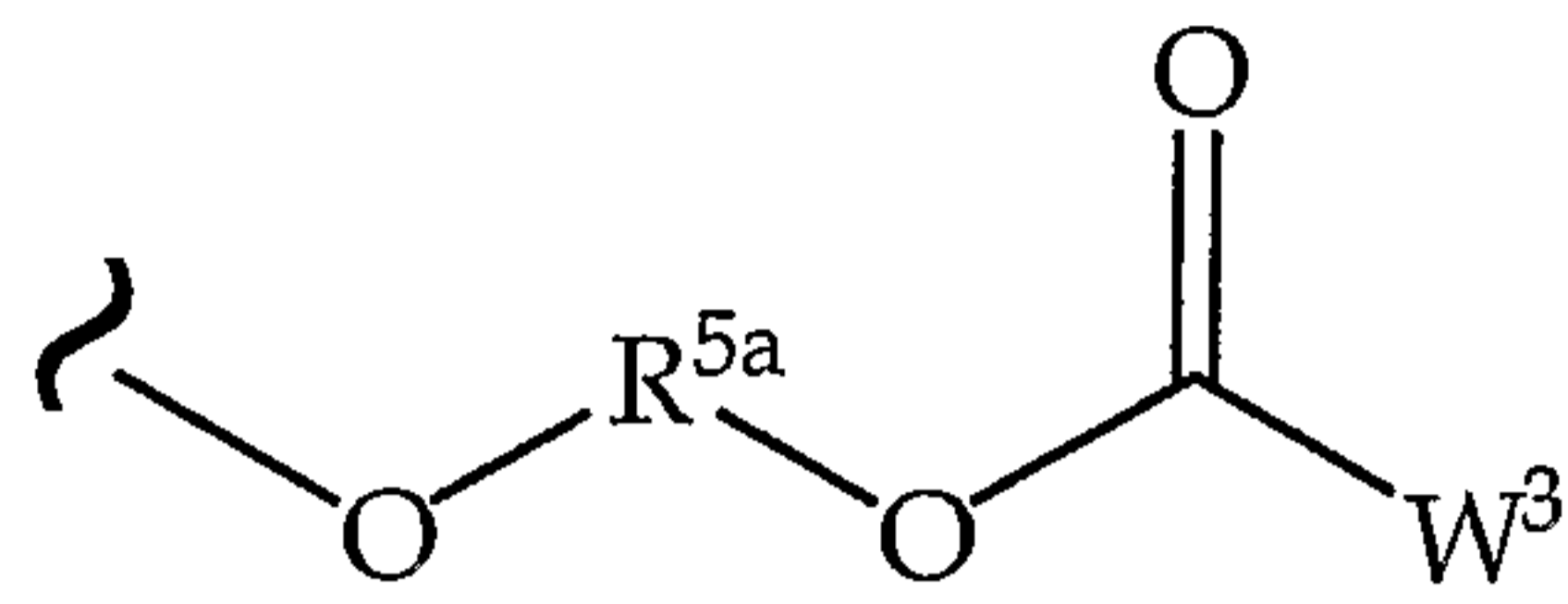


170

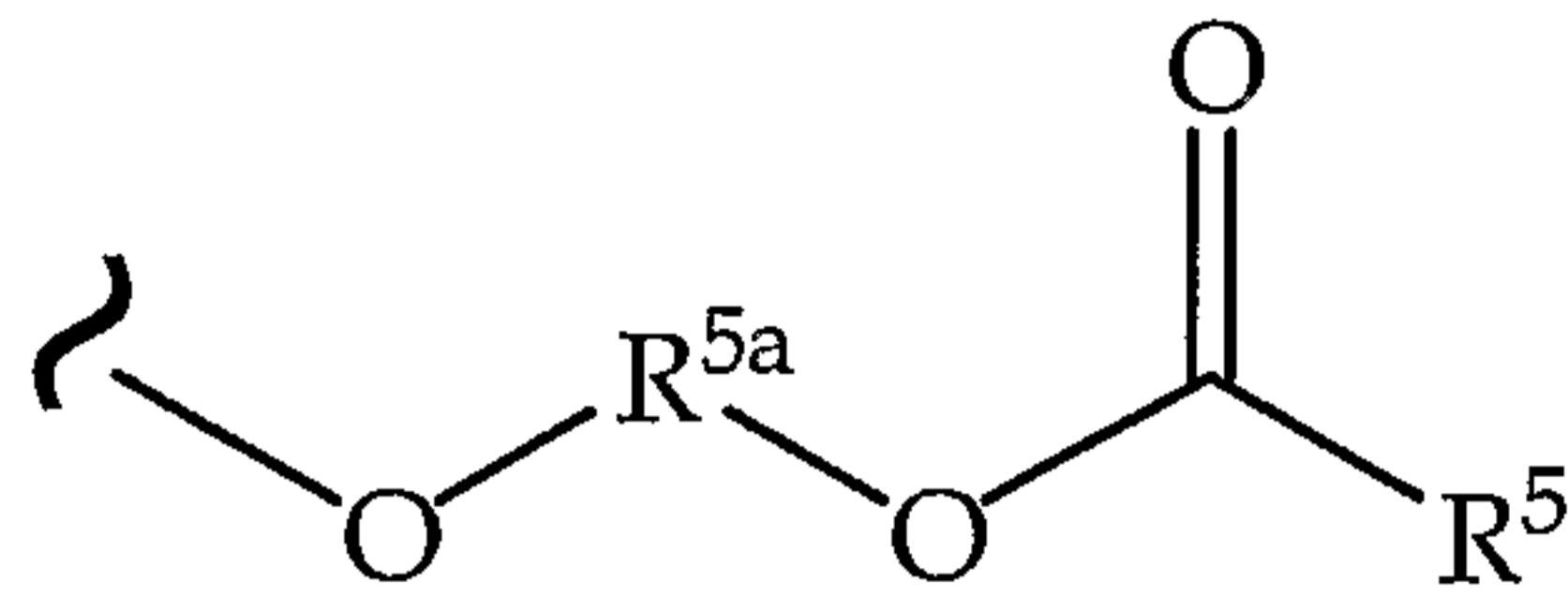


171

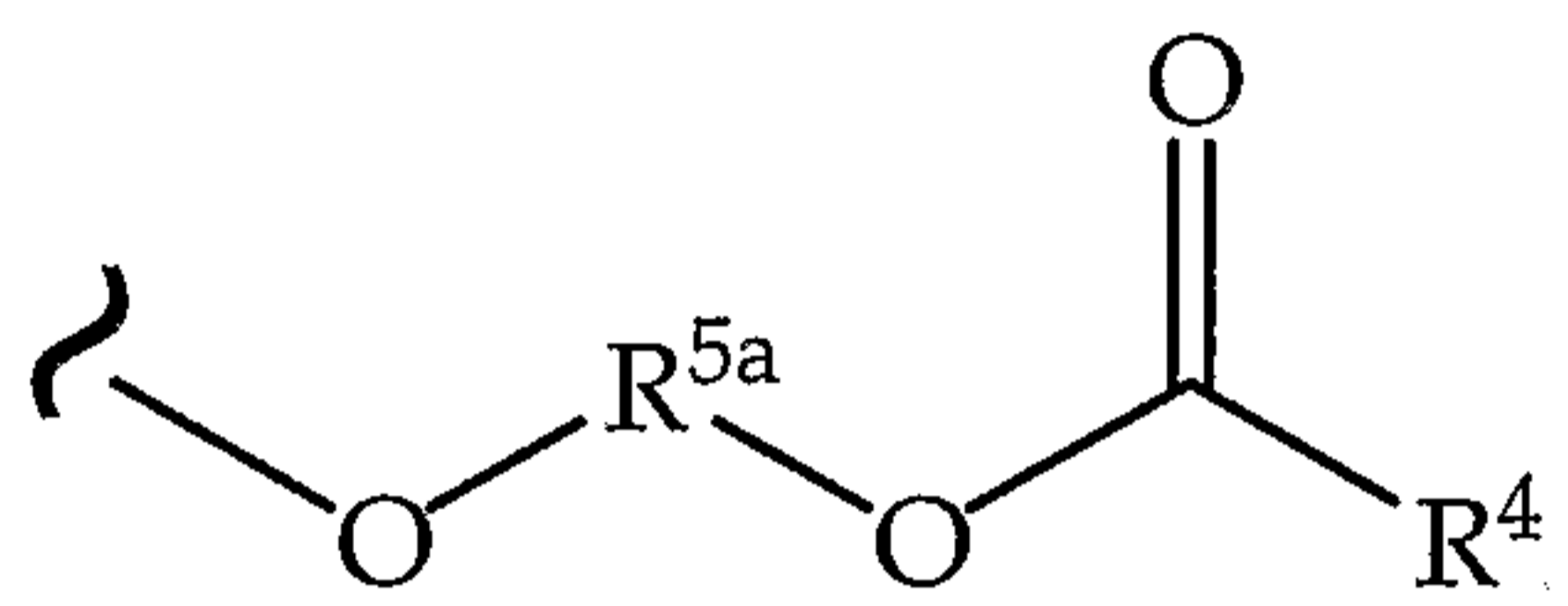
TABLE 20.21



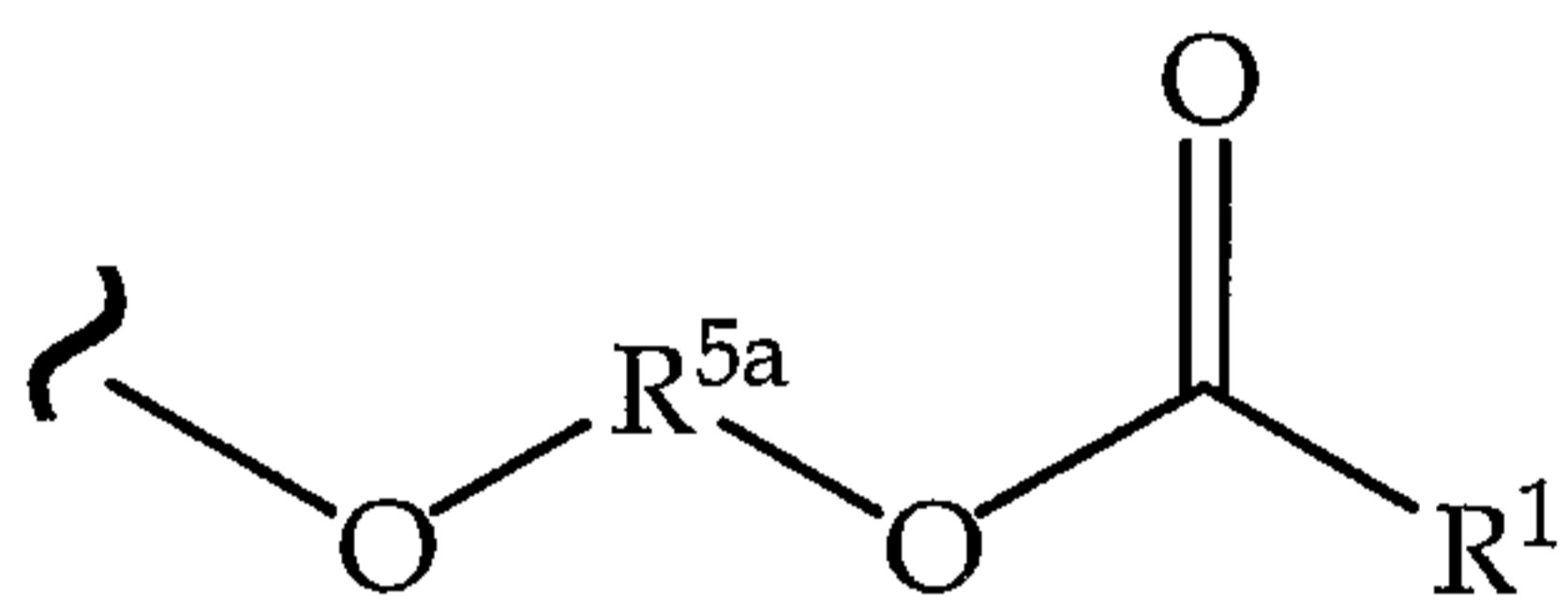
172



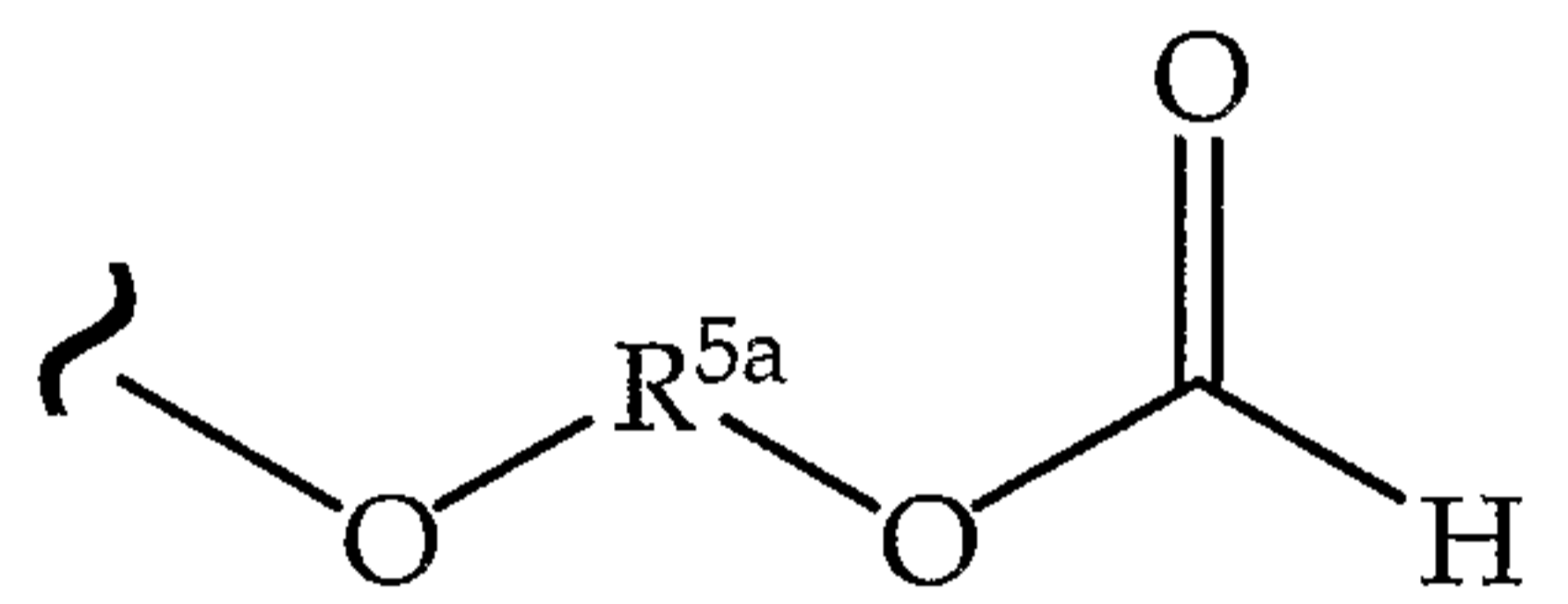
173



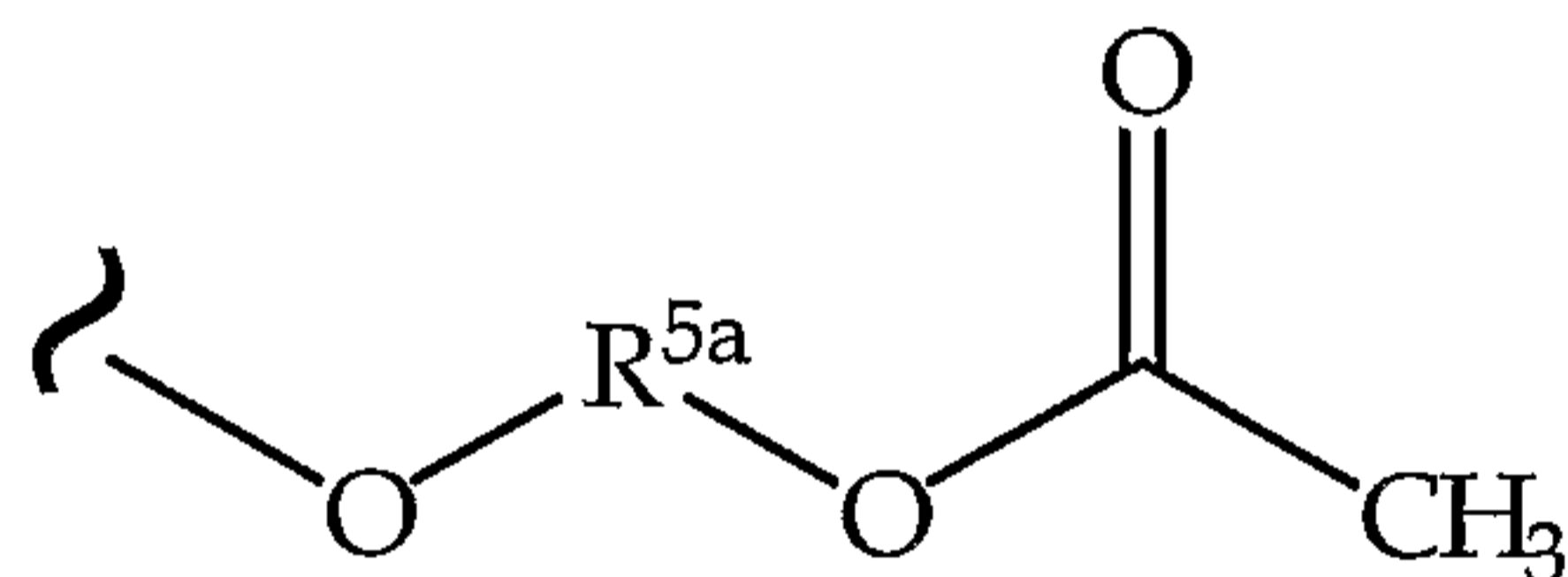
174



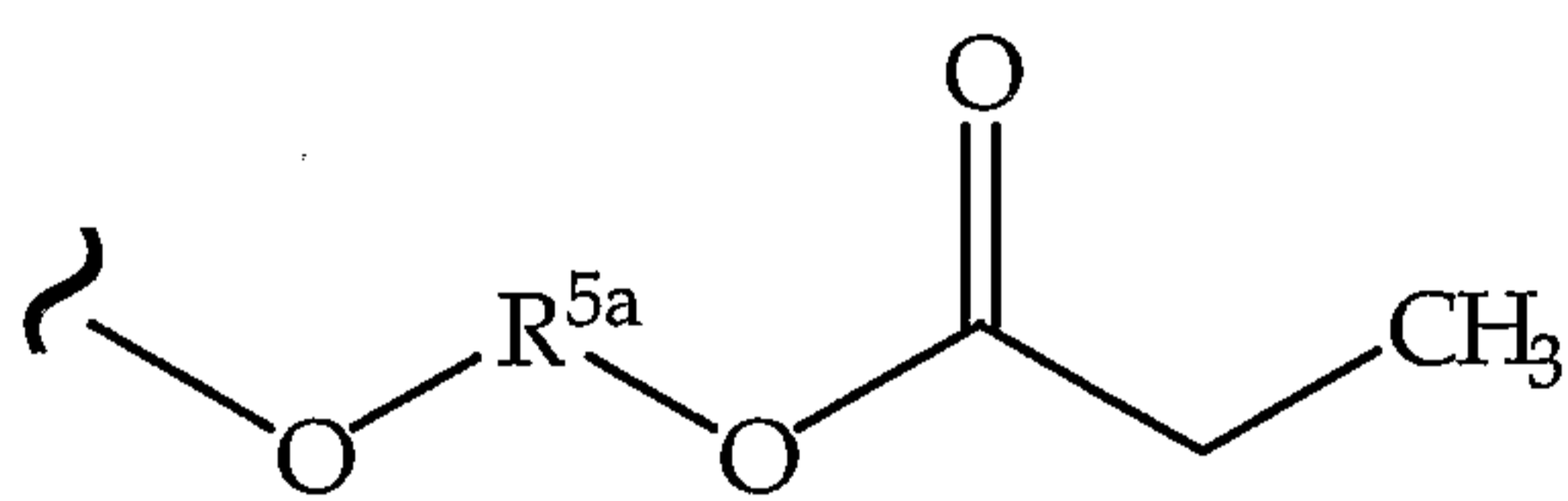
175



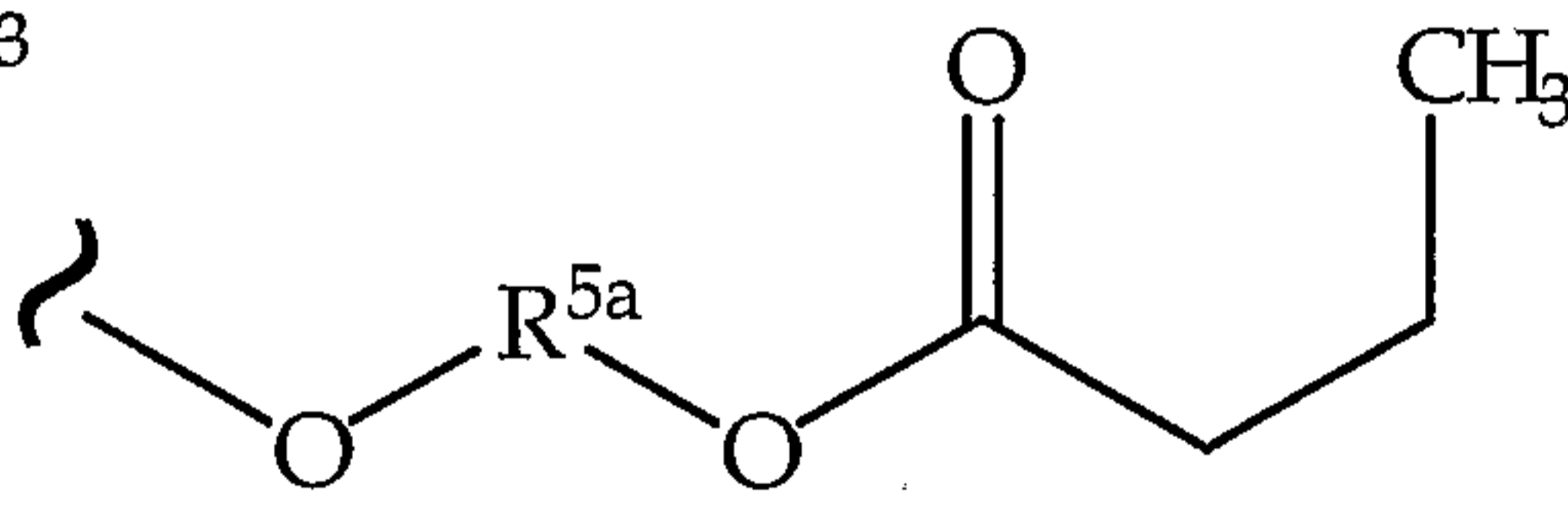
176



177



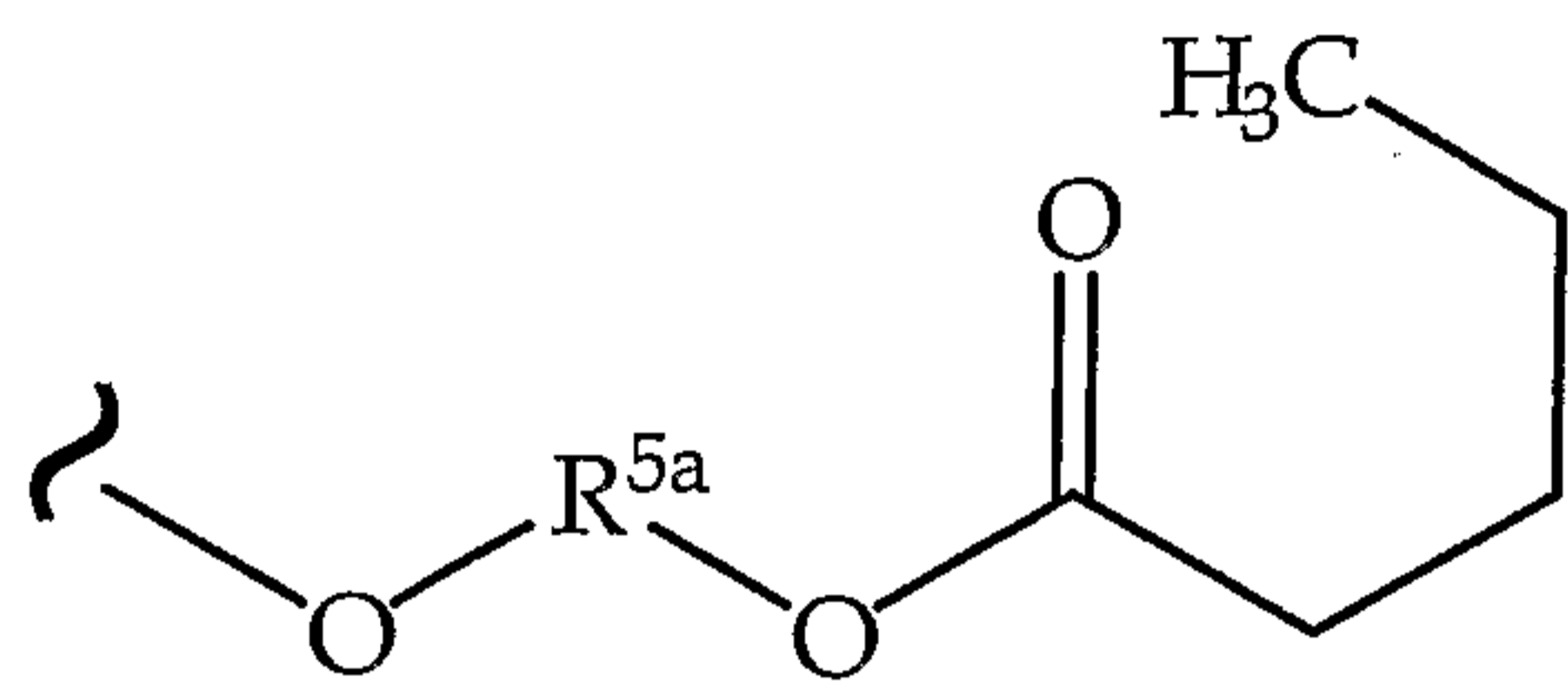
178



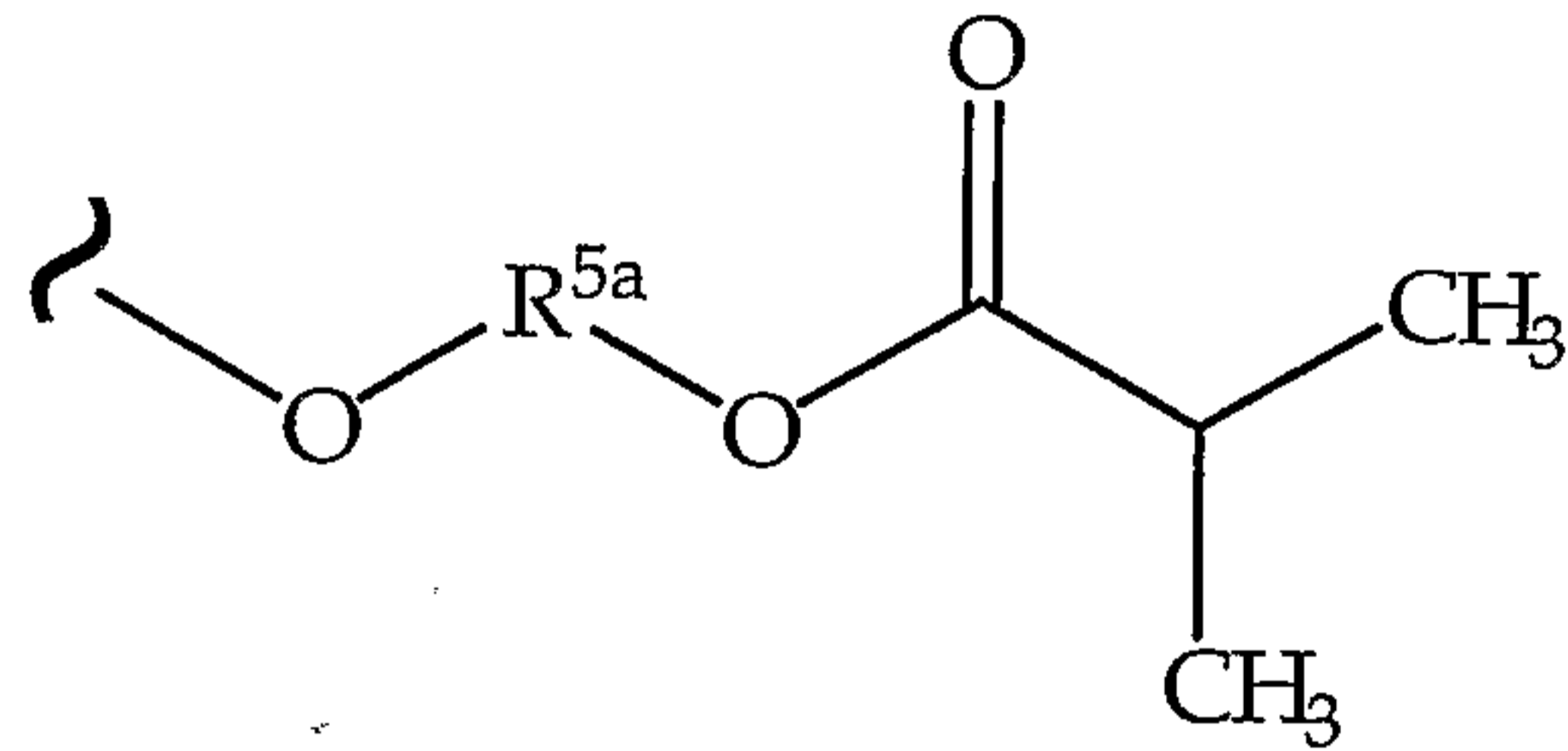
179



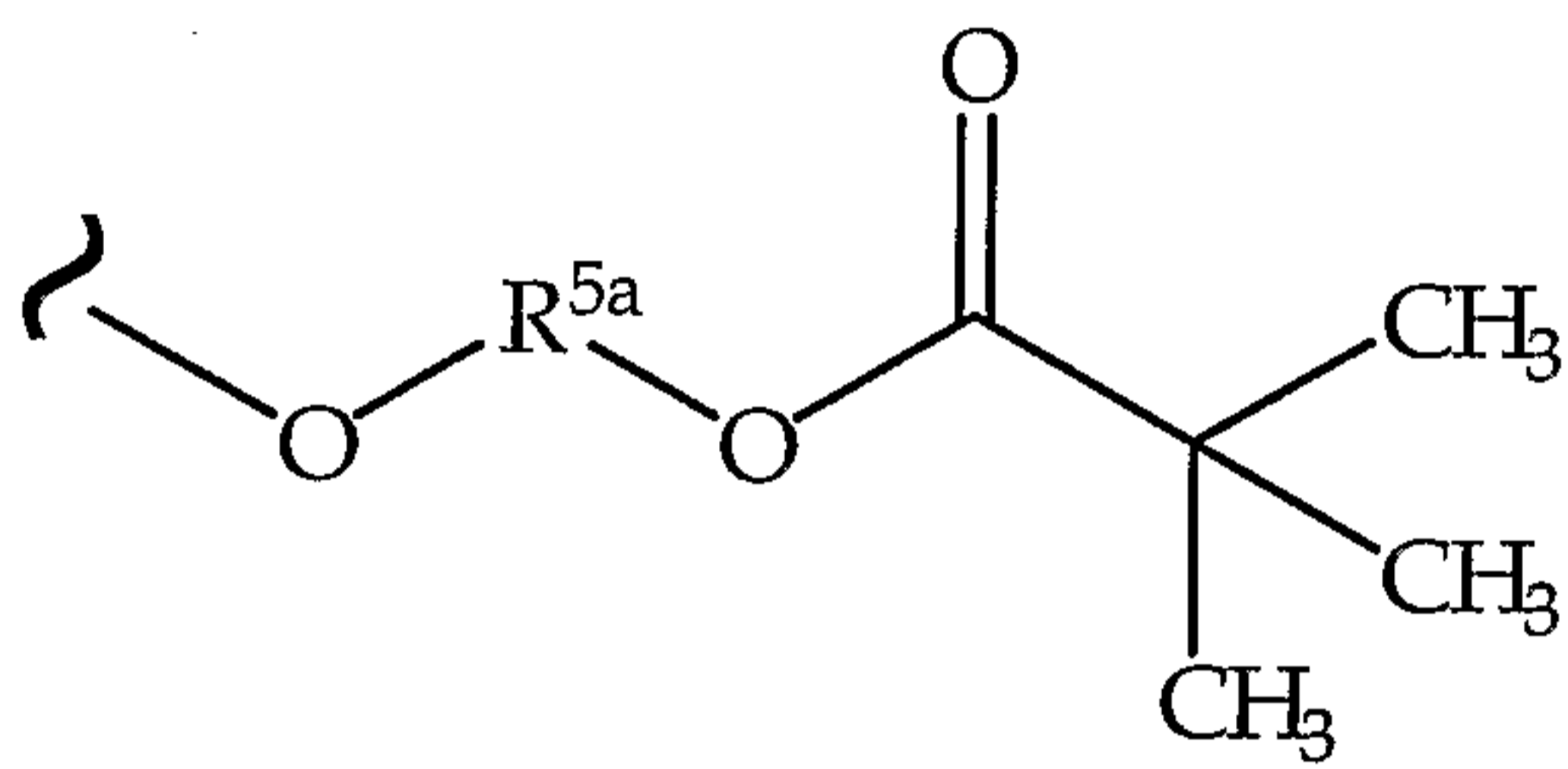
FIGURE 20.20



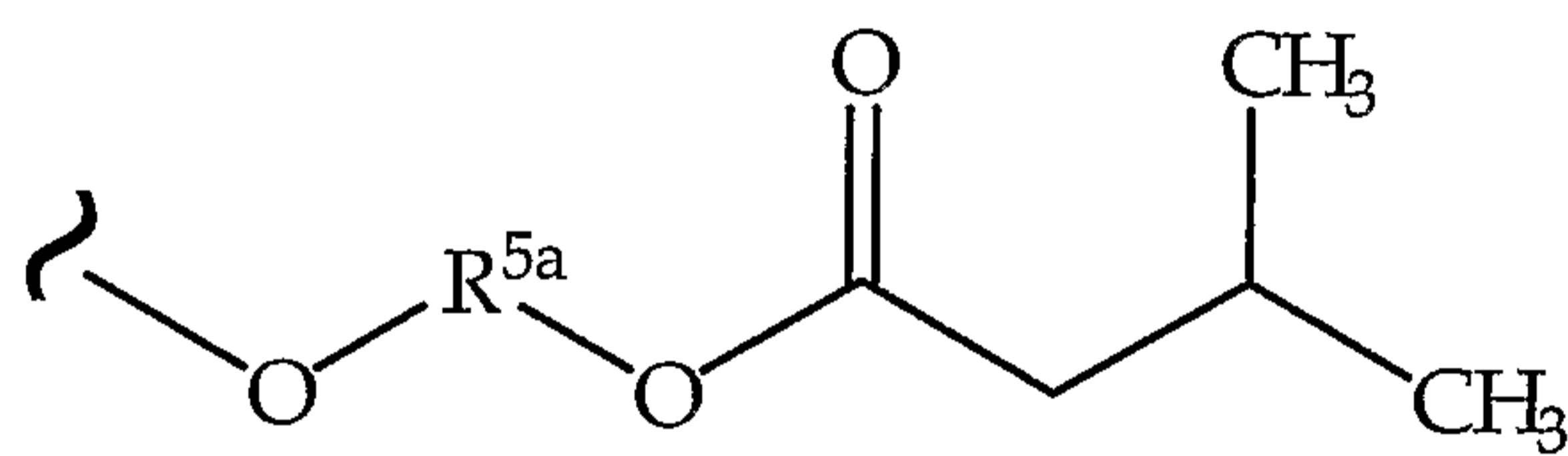
180



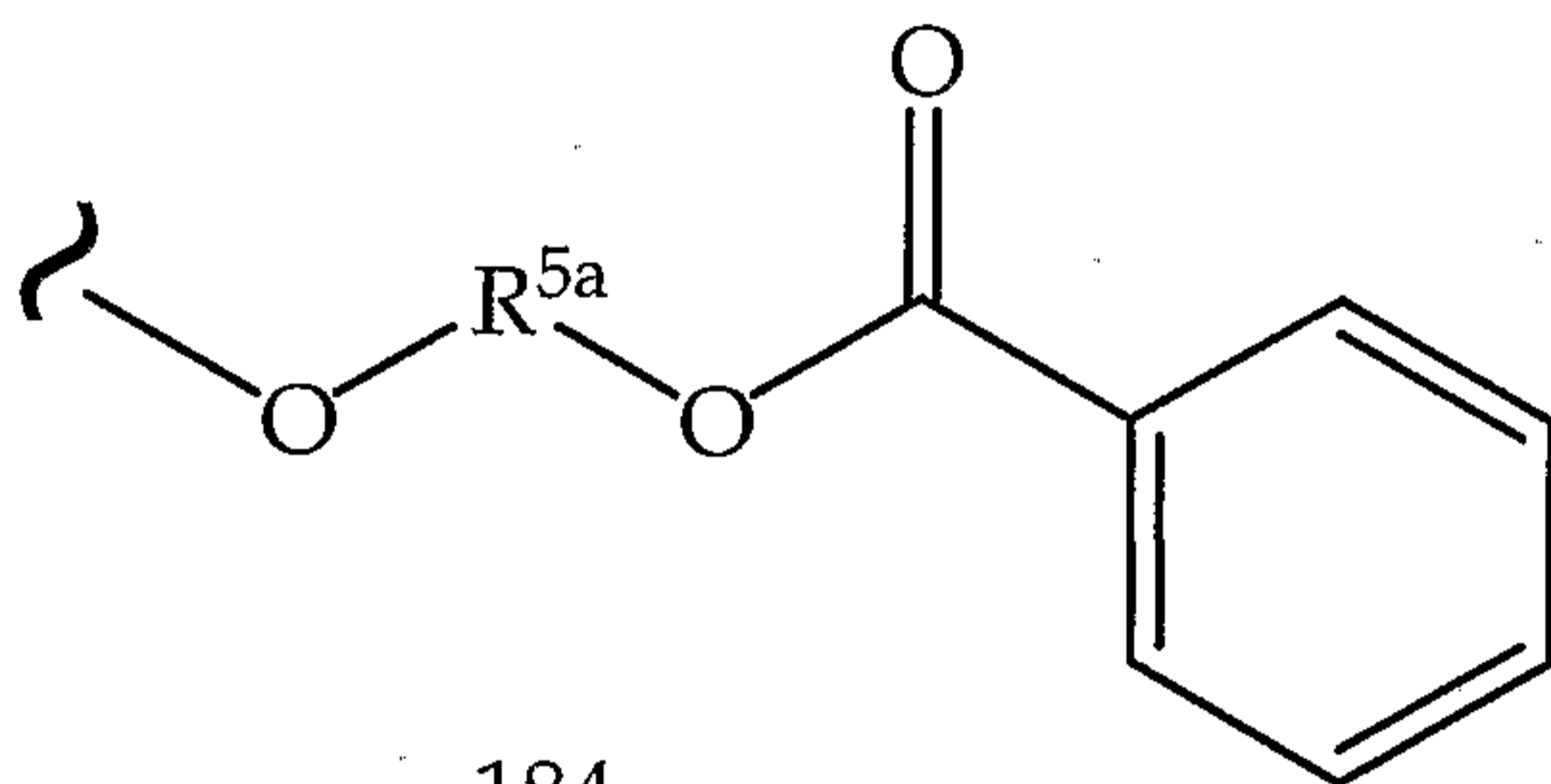
181



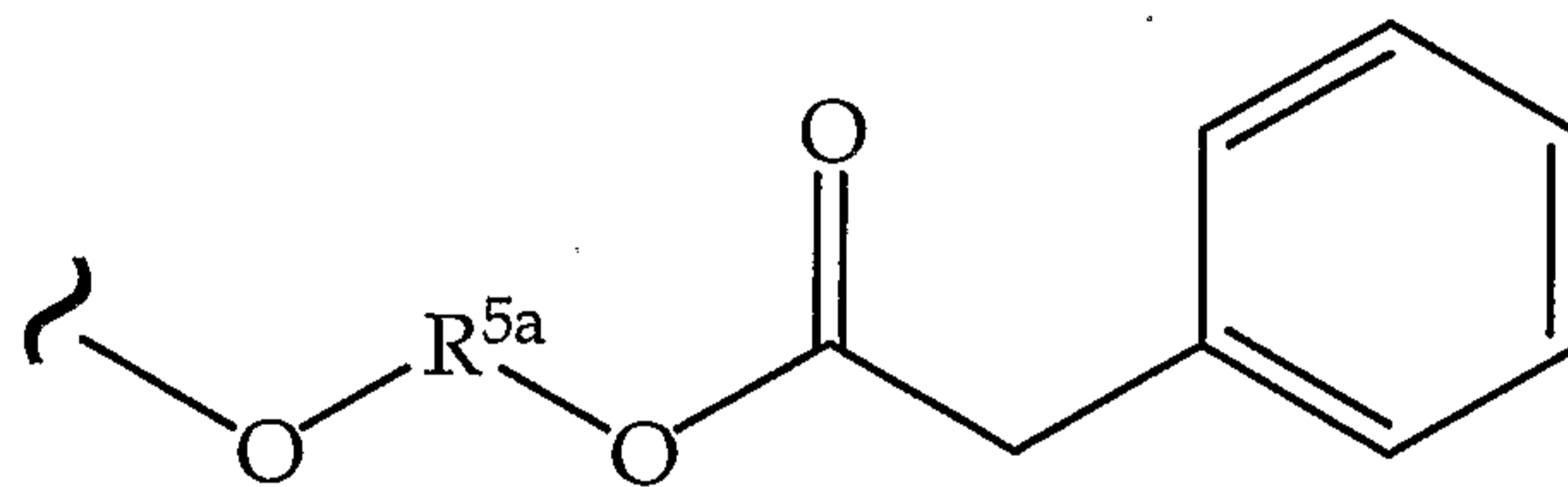
182



183

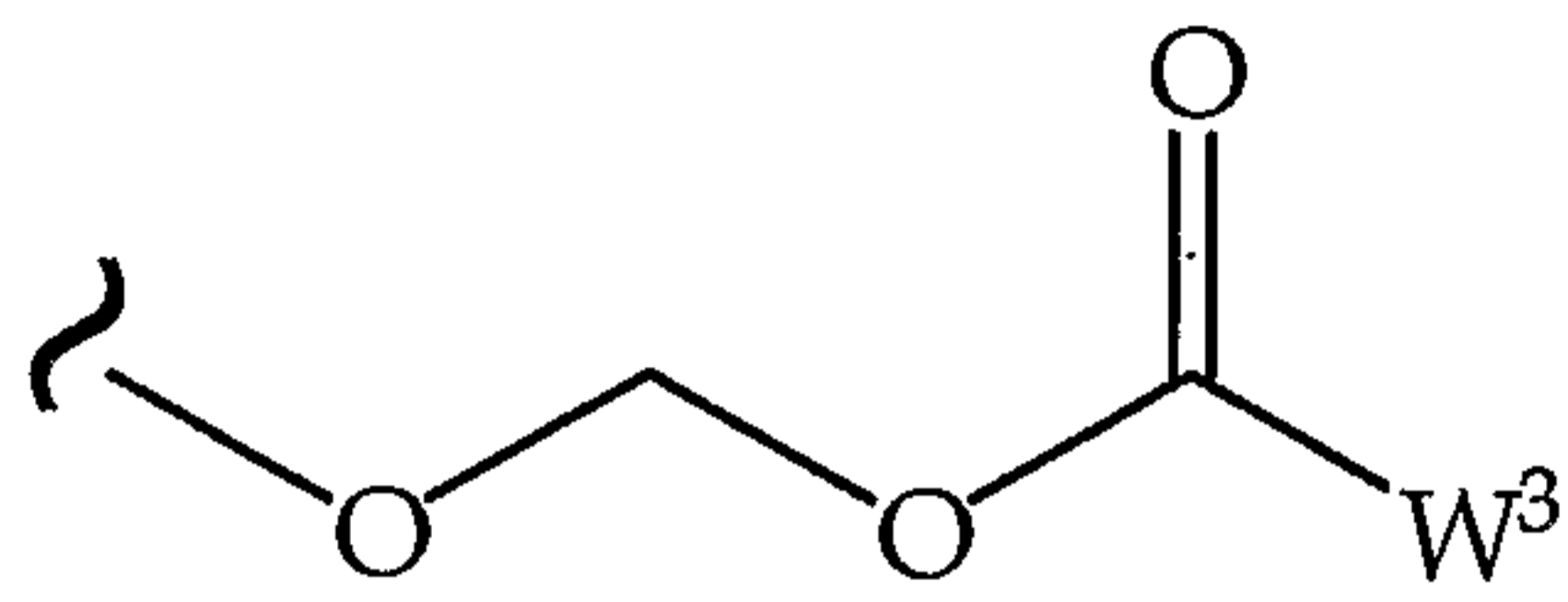


184

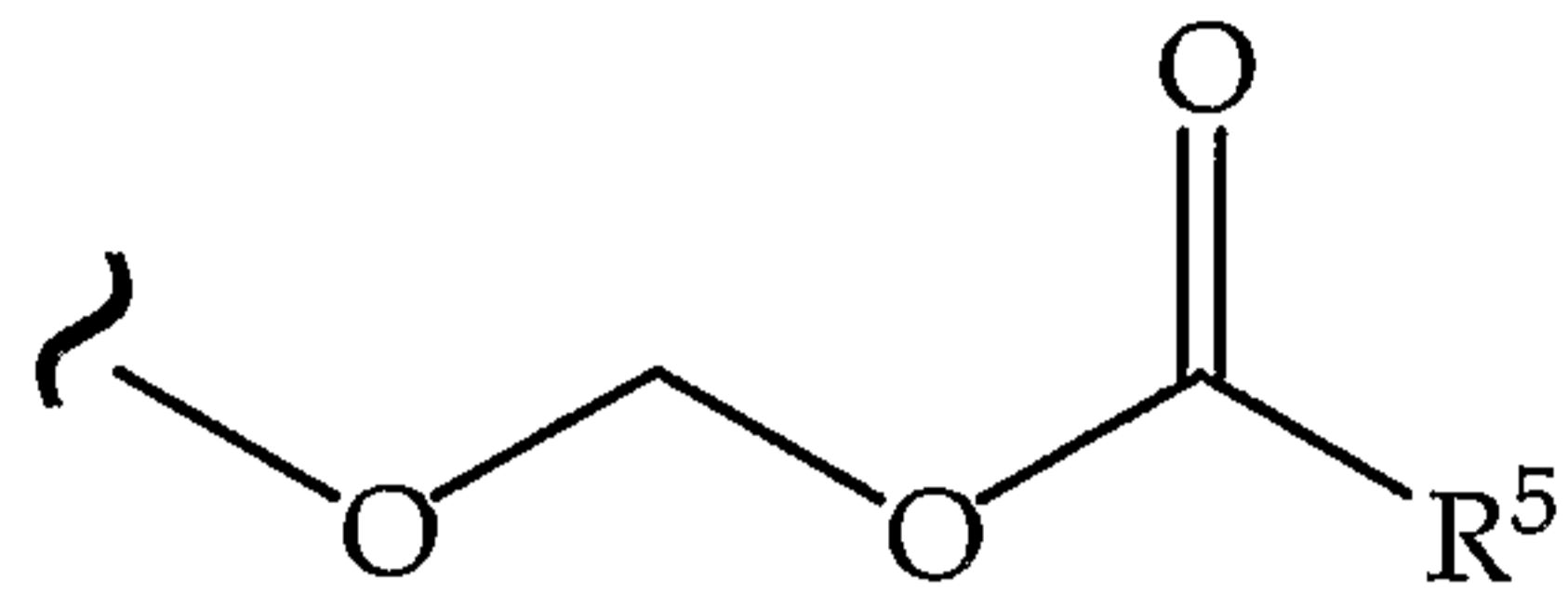


185

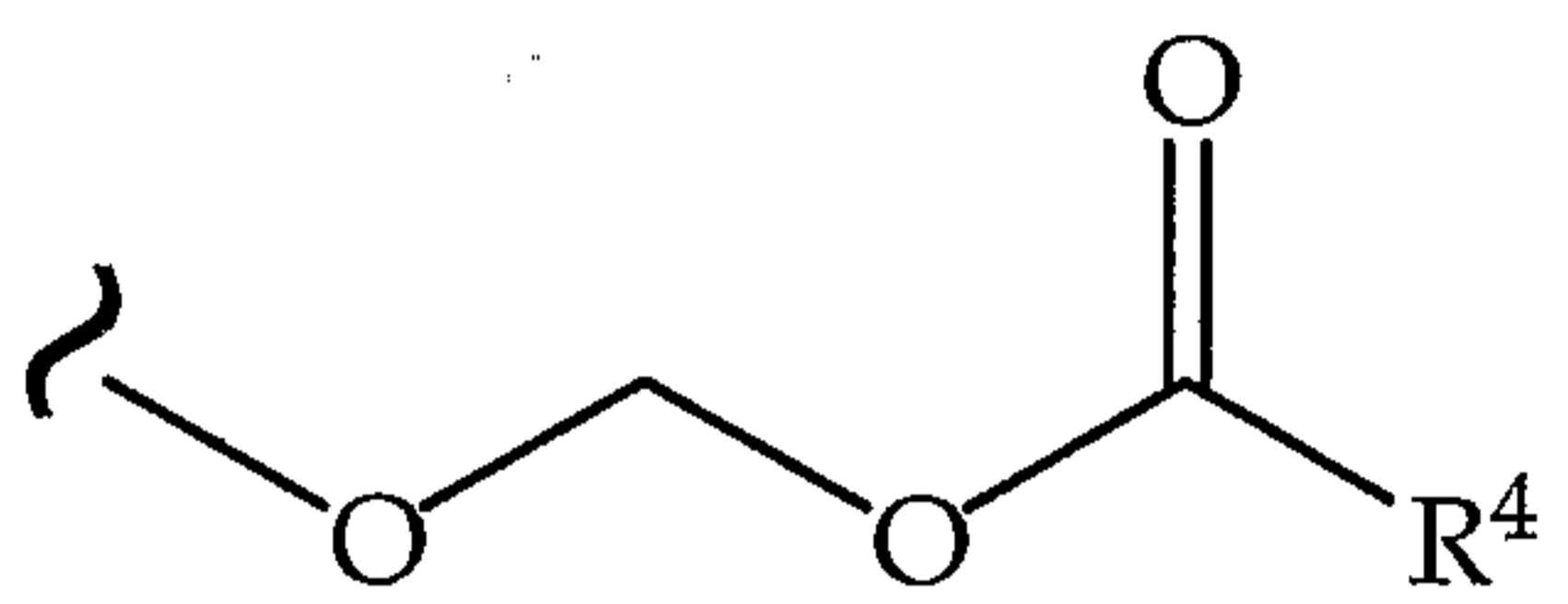
TABLE 20.27



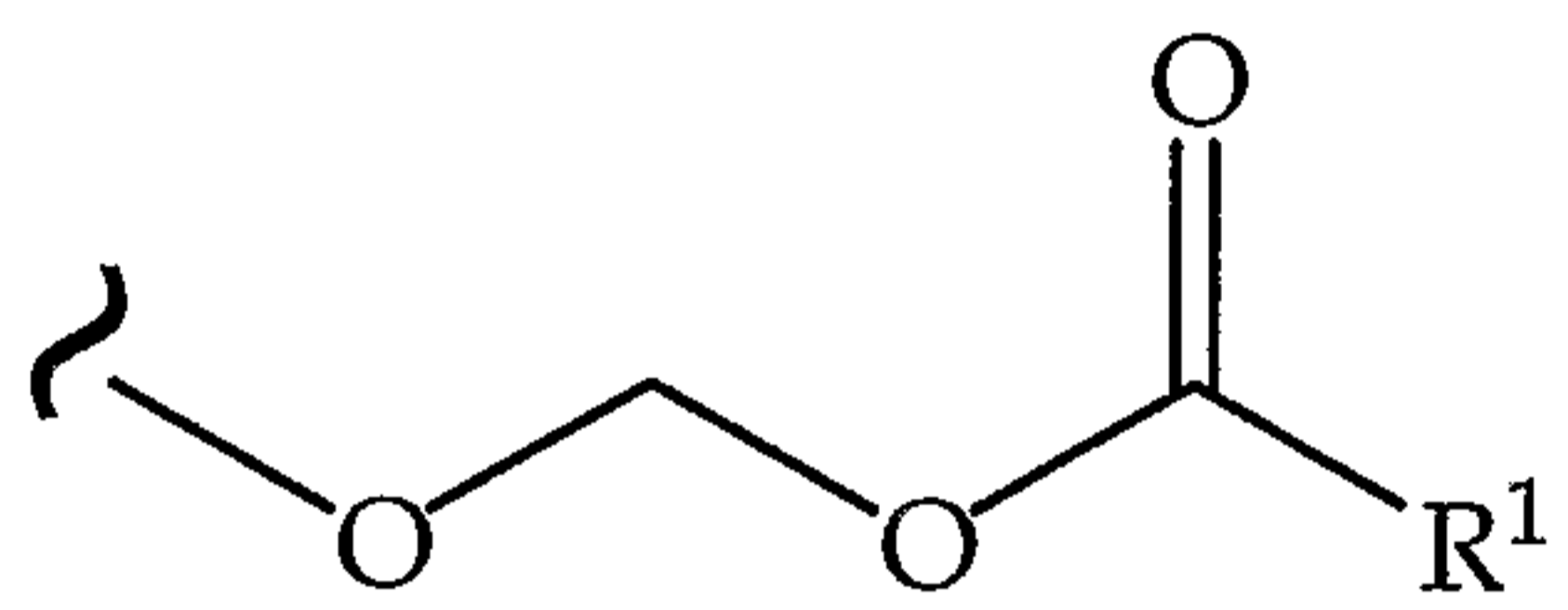
186



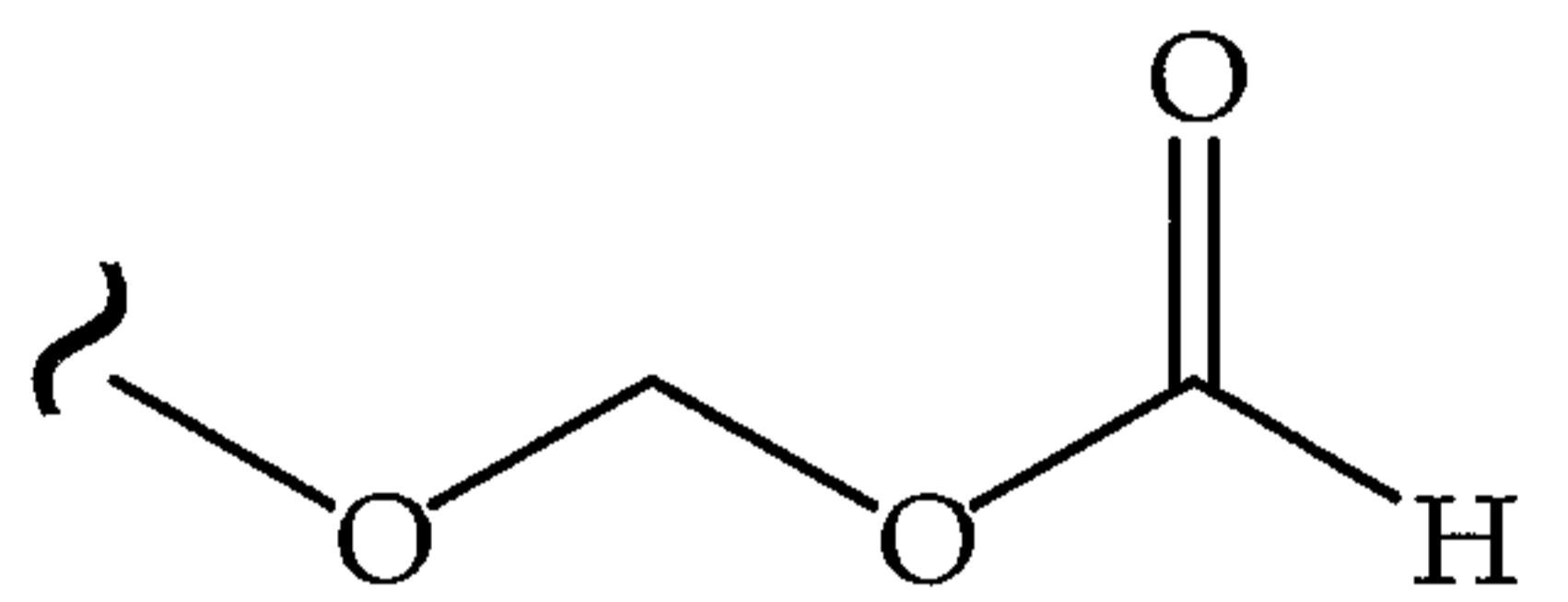
187



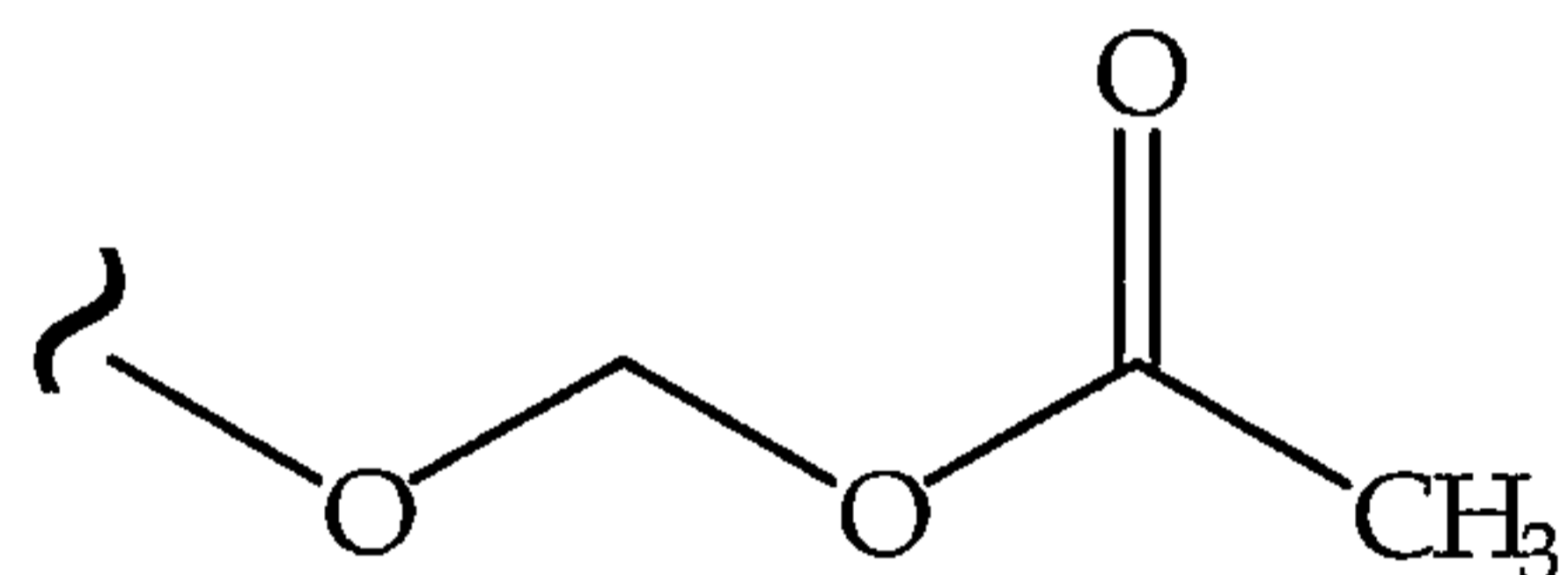
188



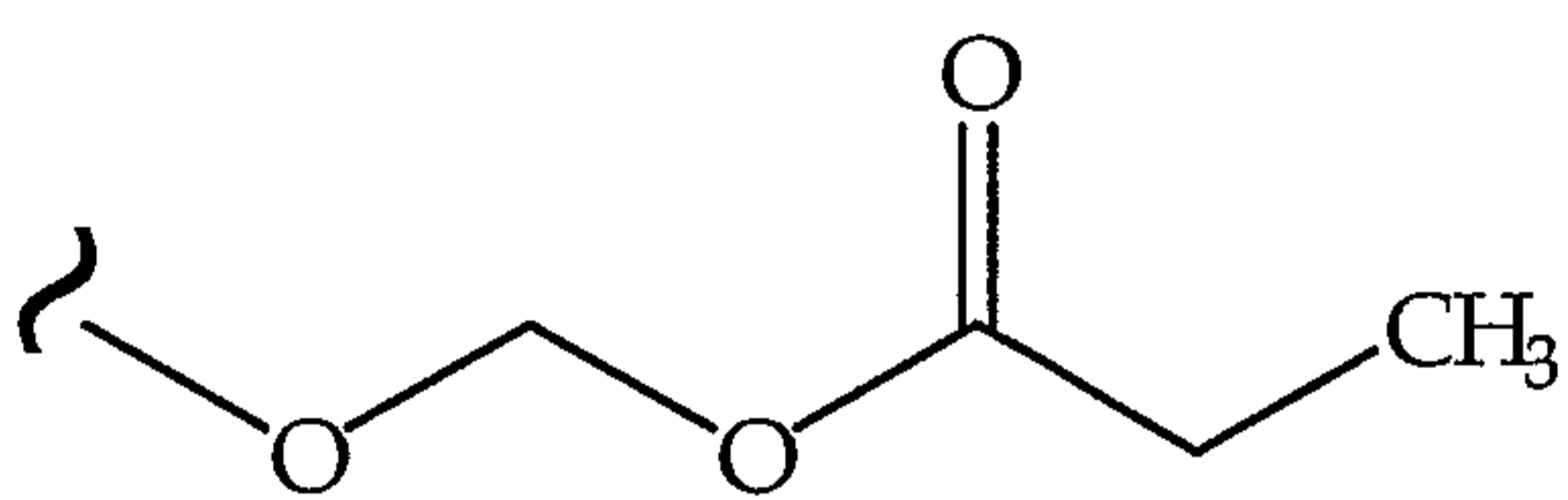
189



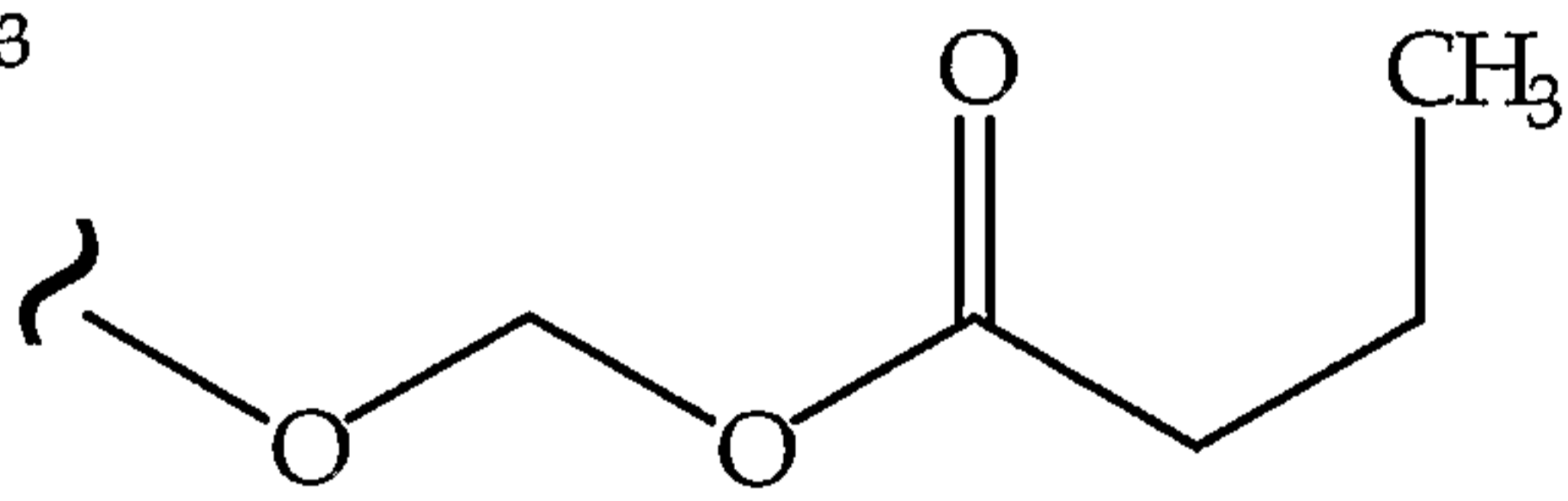
190



191

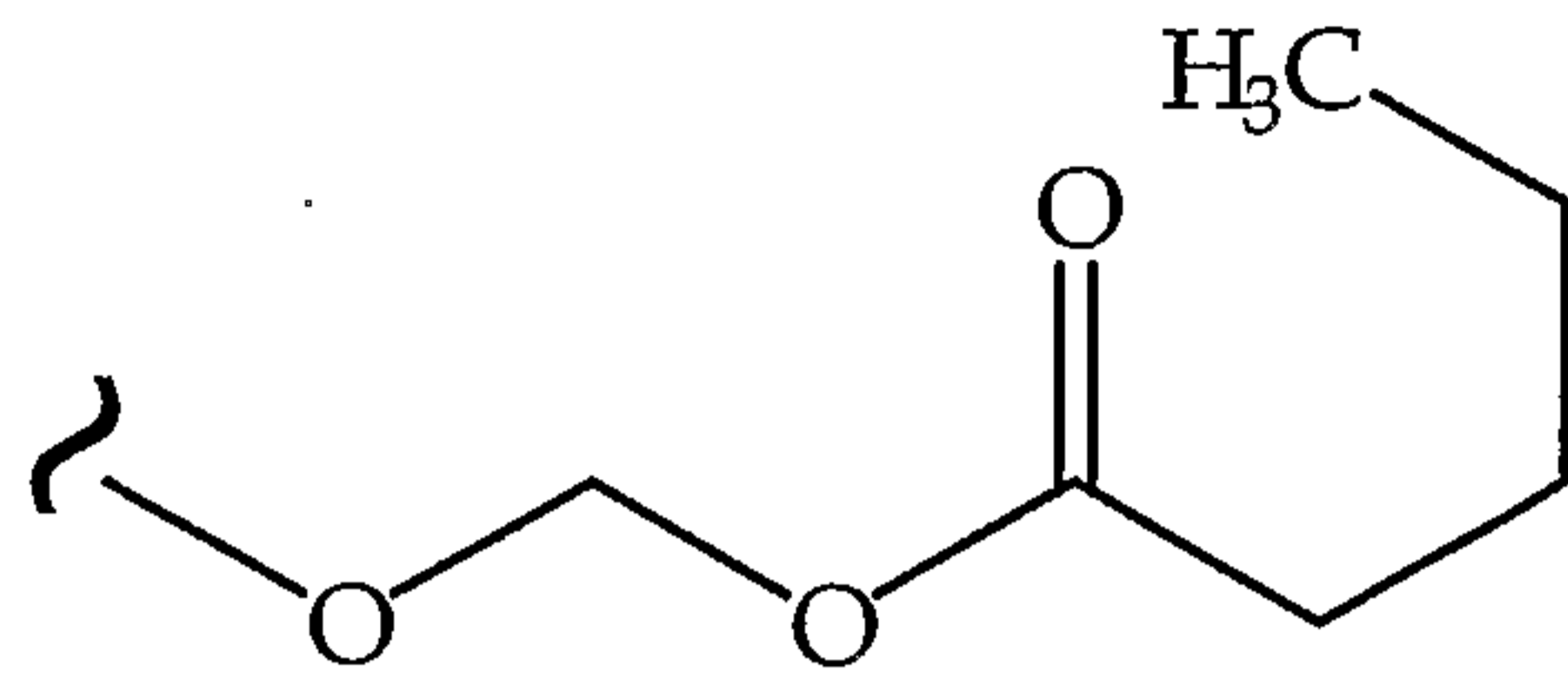


192

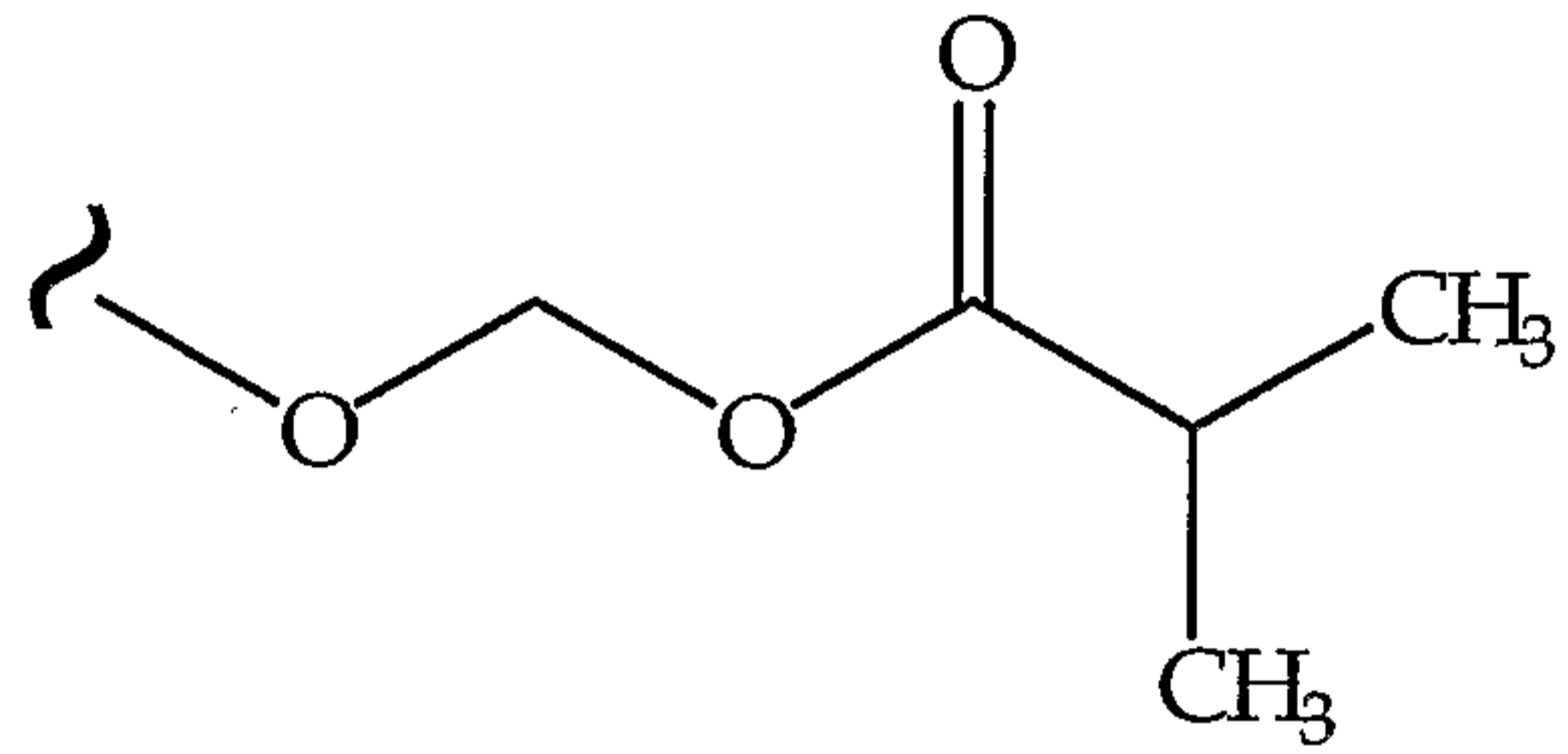


193

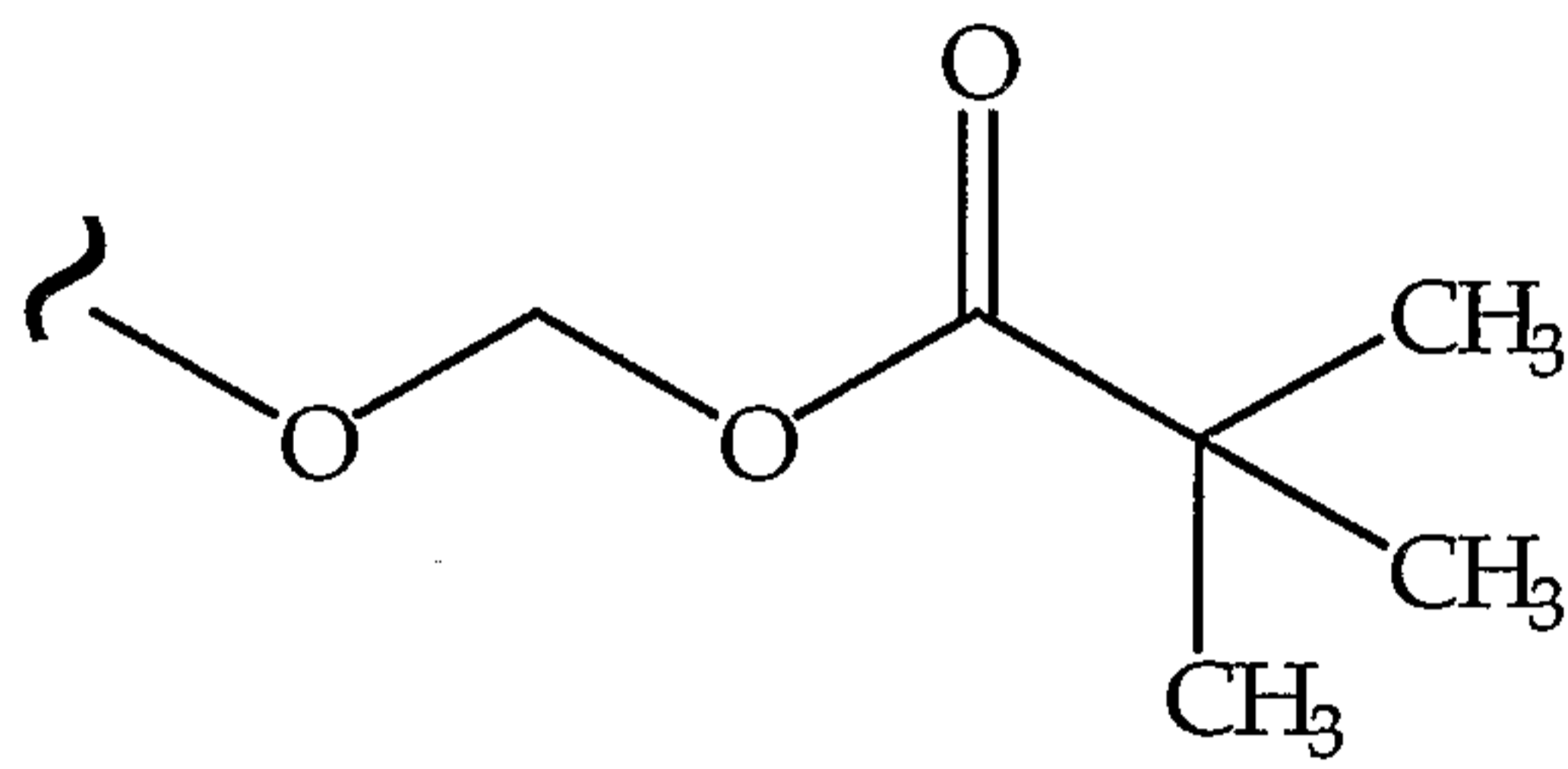
TABLE 20.50



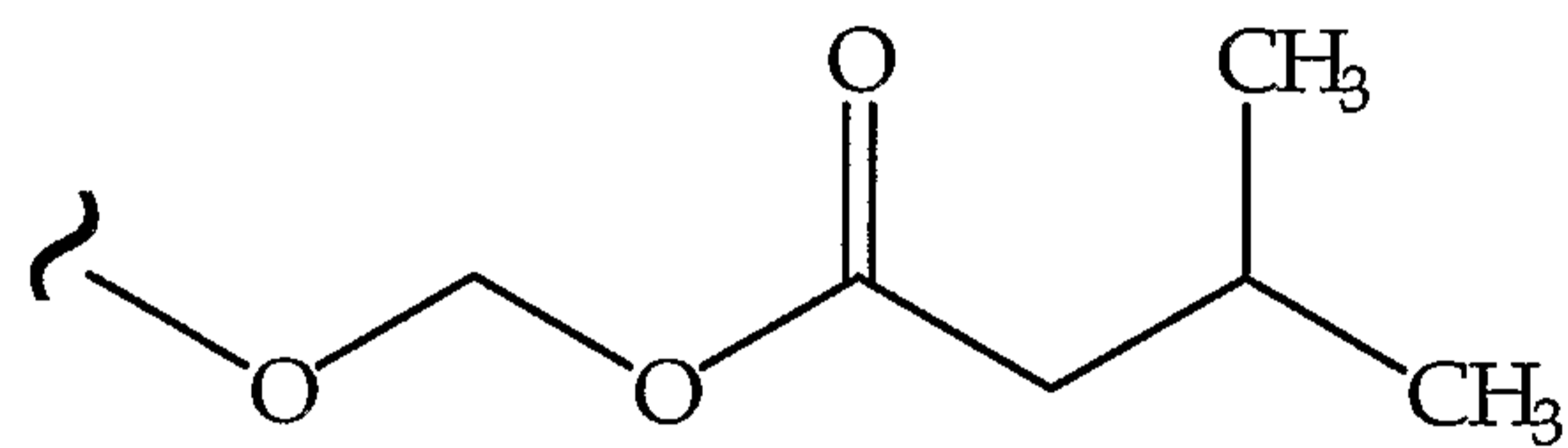
194



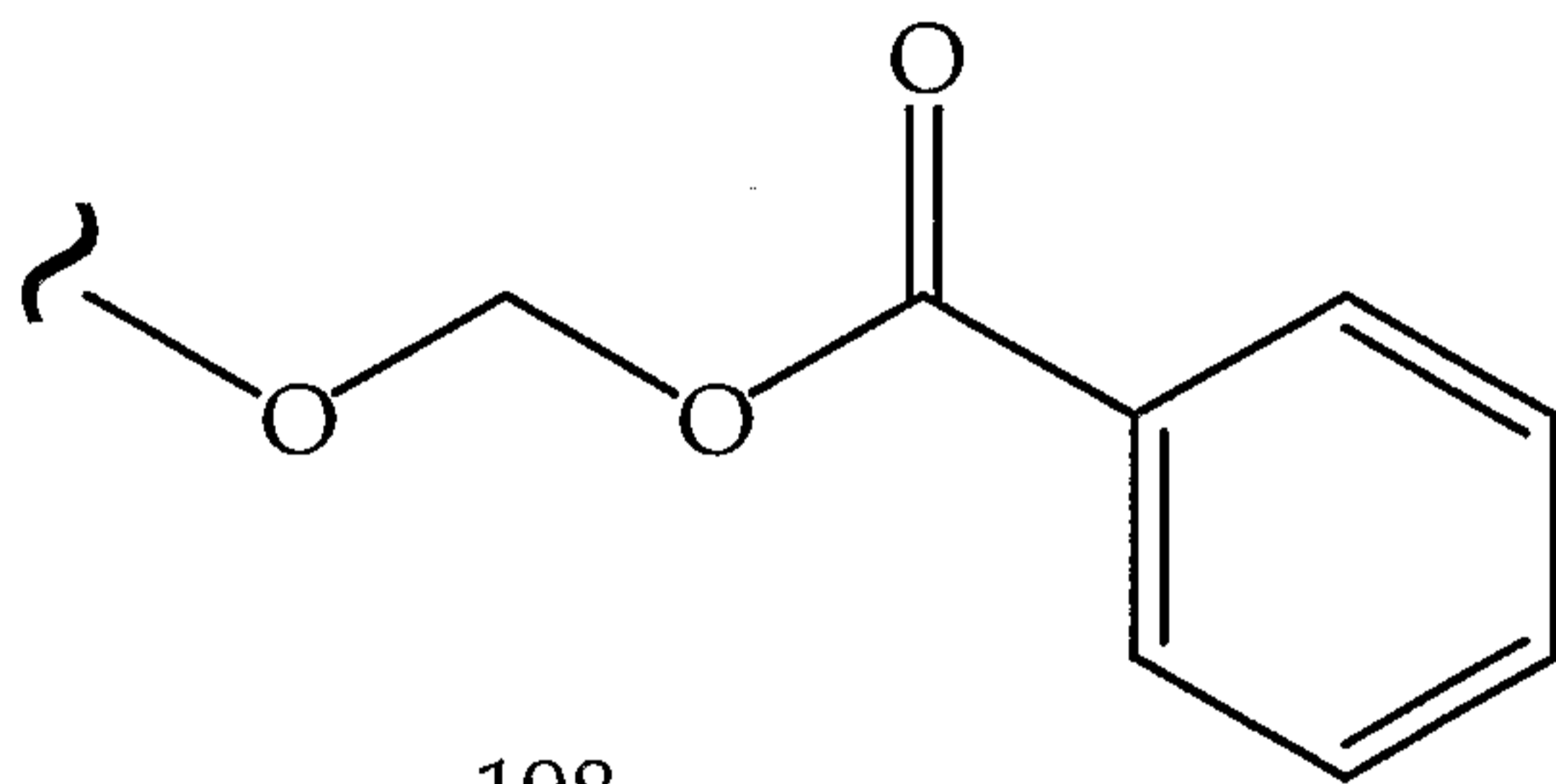
195



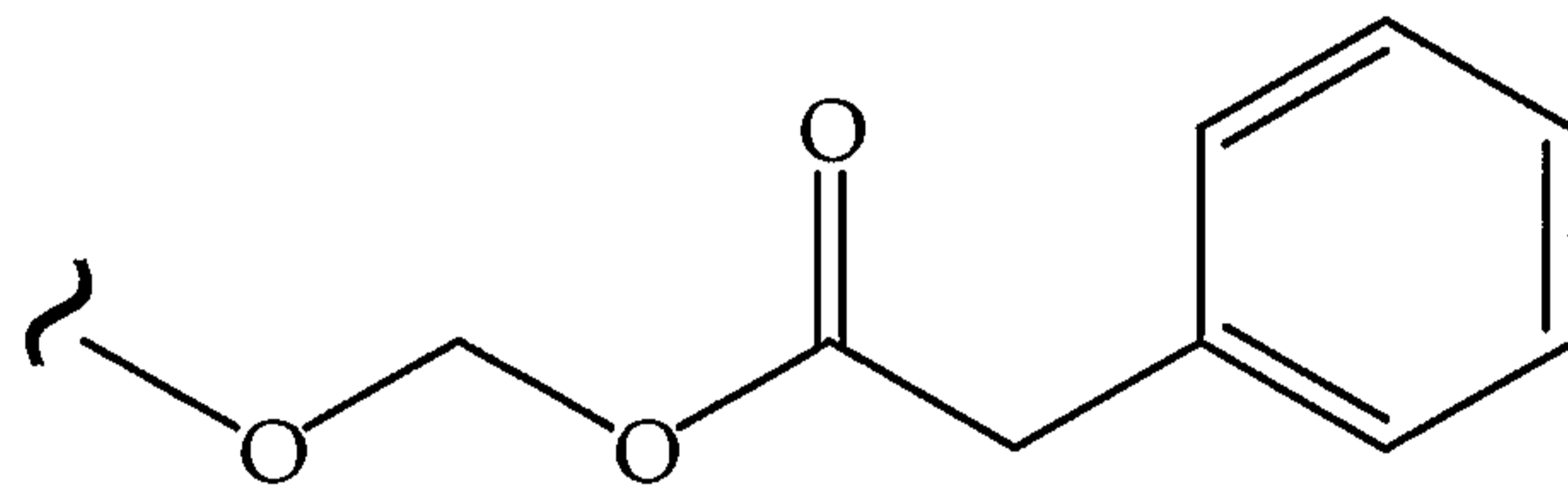
196



197

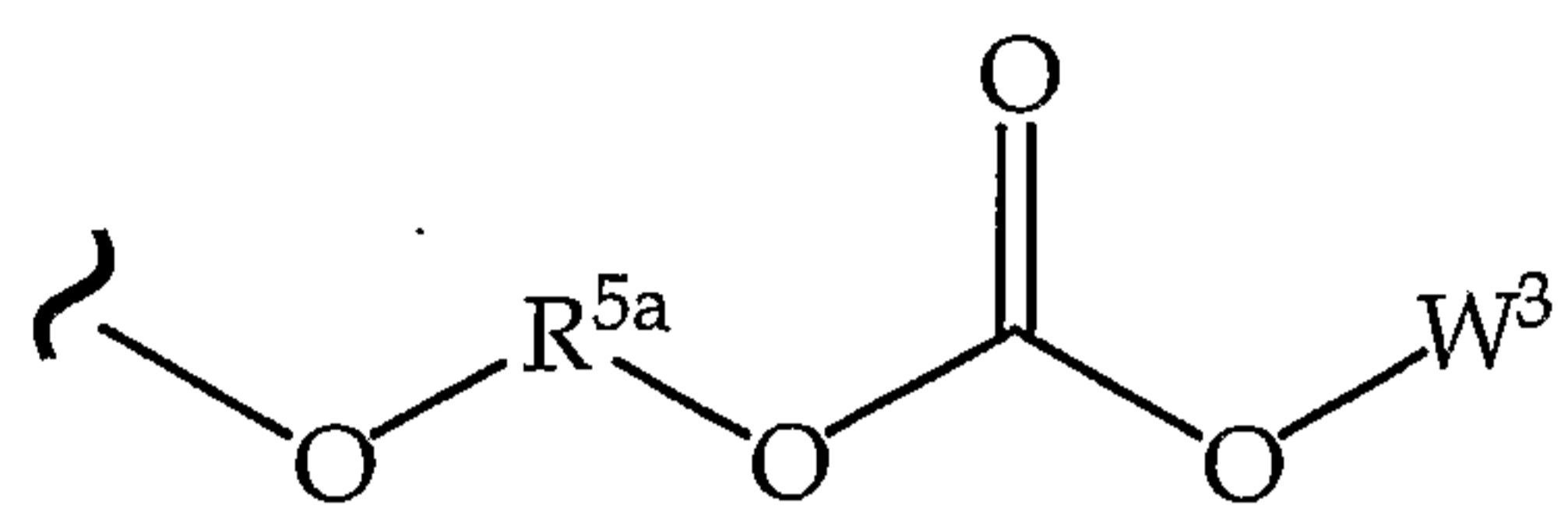


198

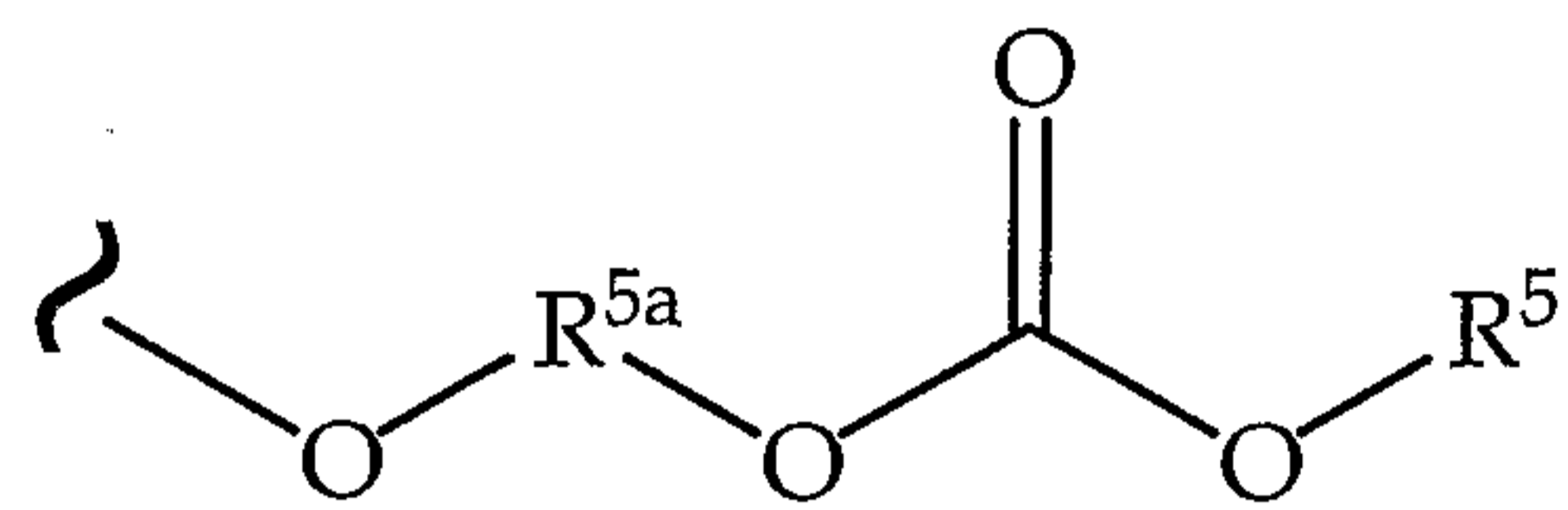


199

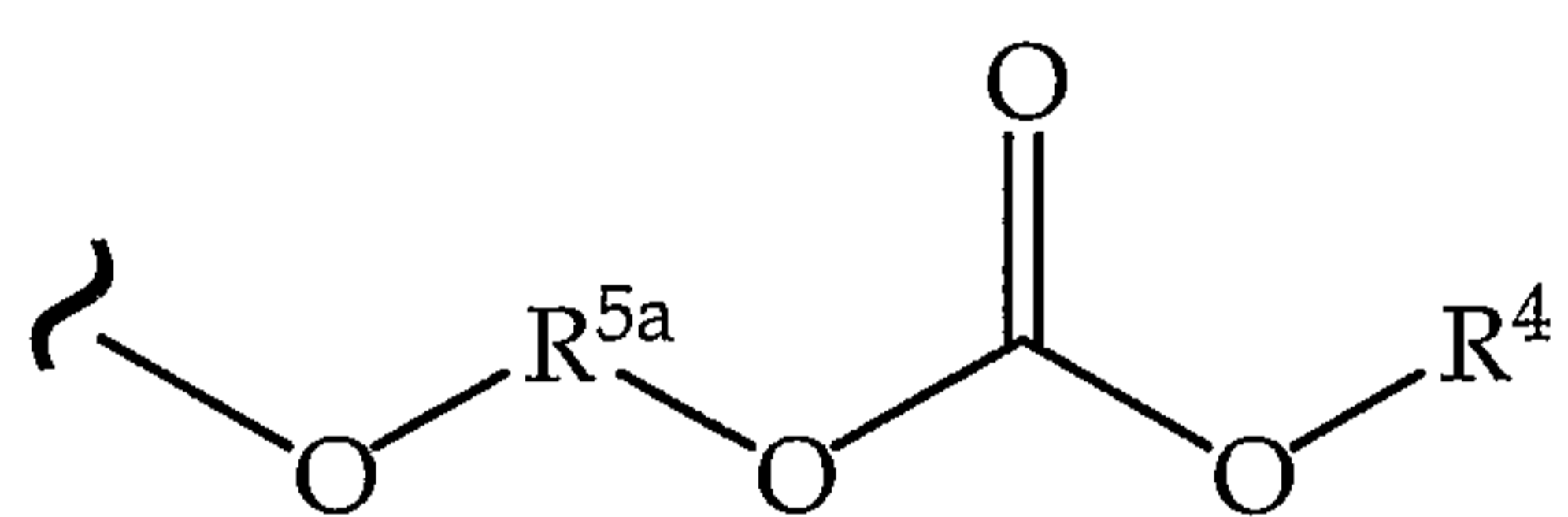
TABLE 20.51



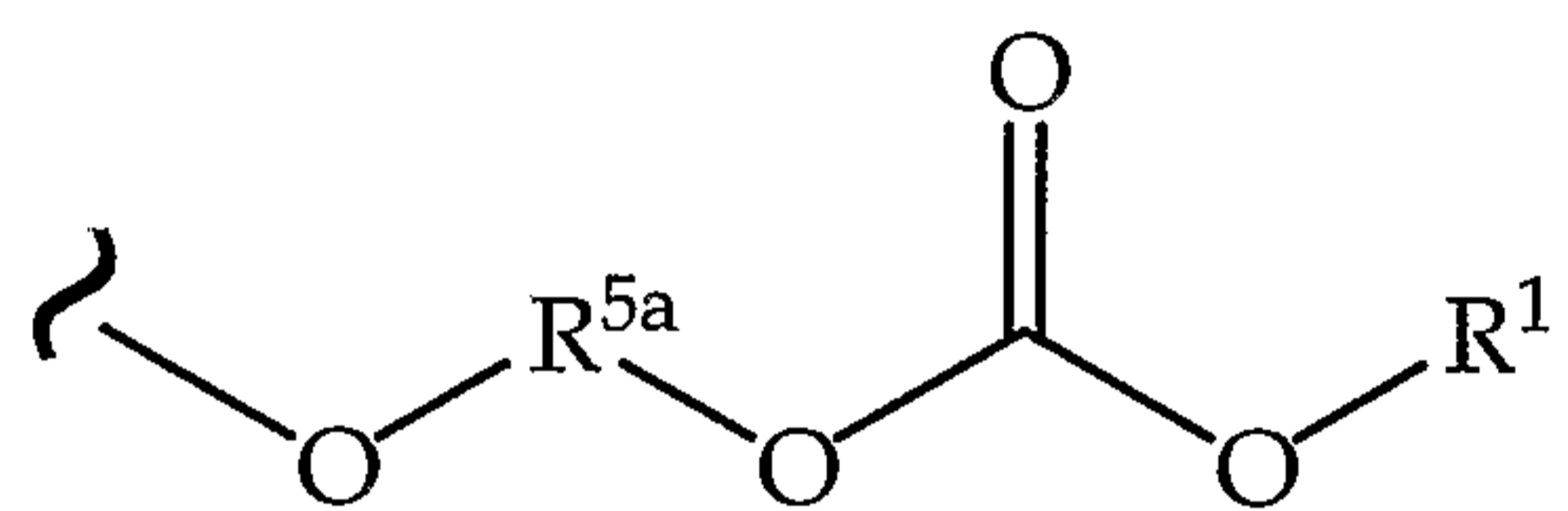
200



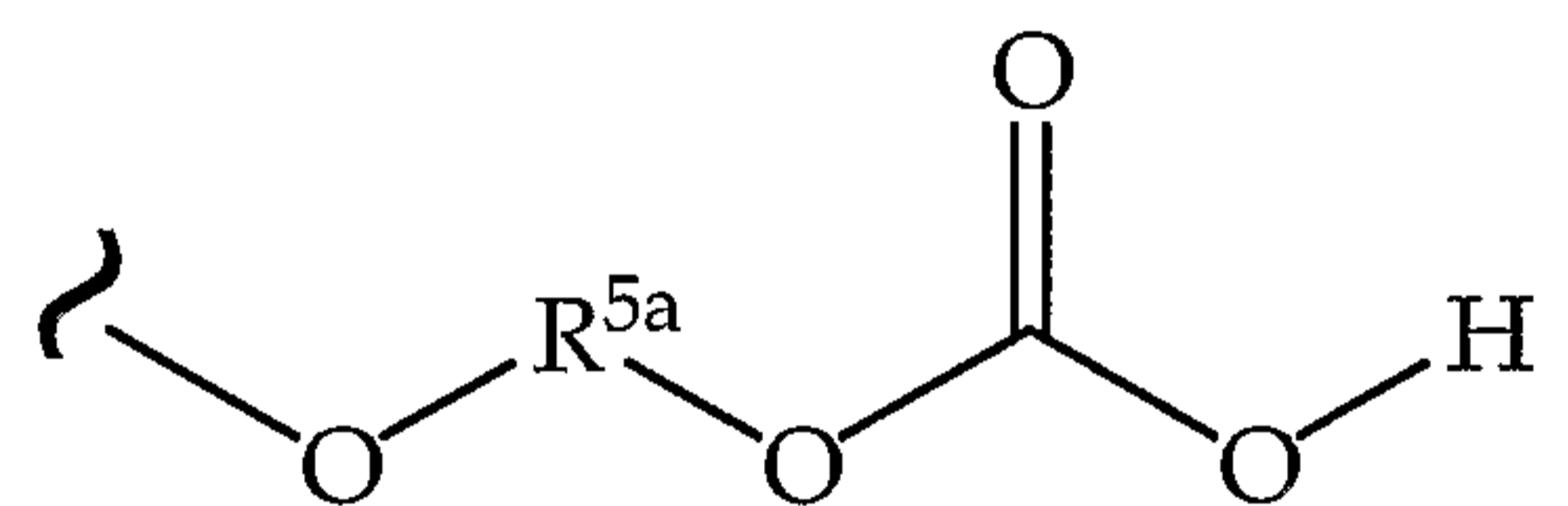
201



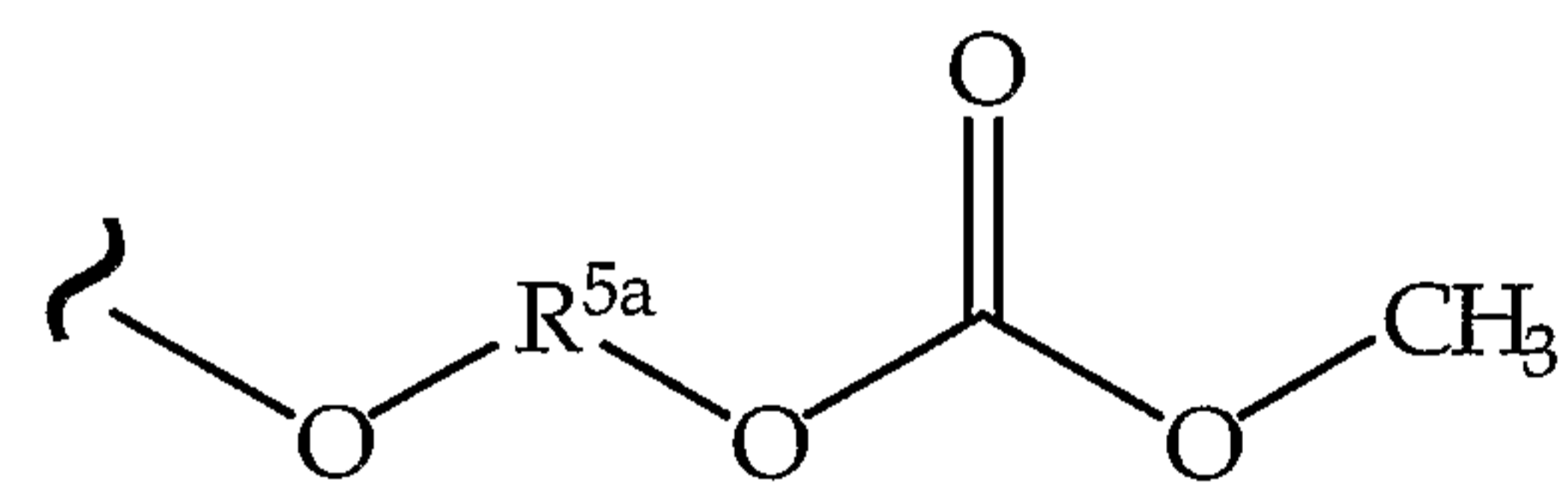
202



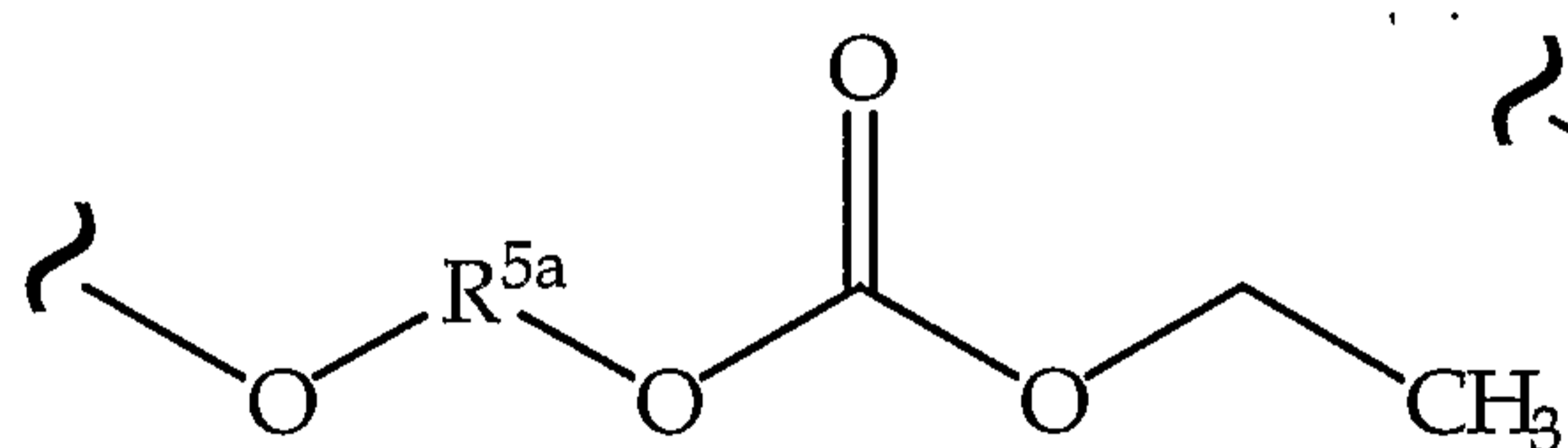
203



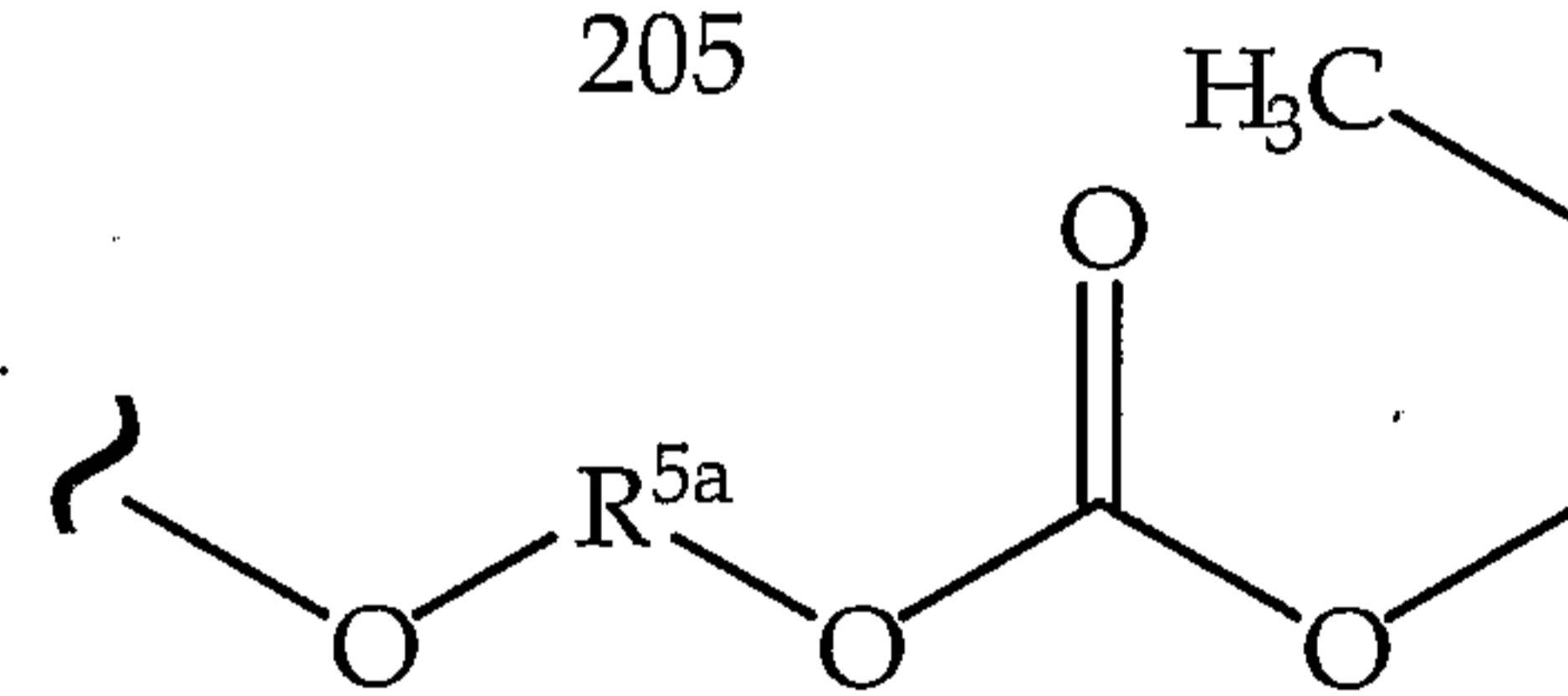
204



205

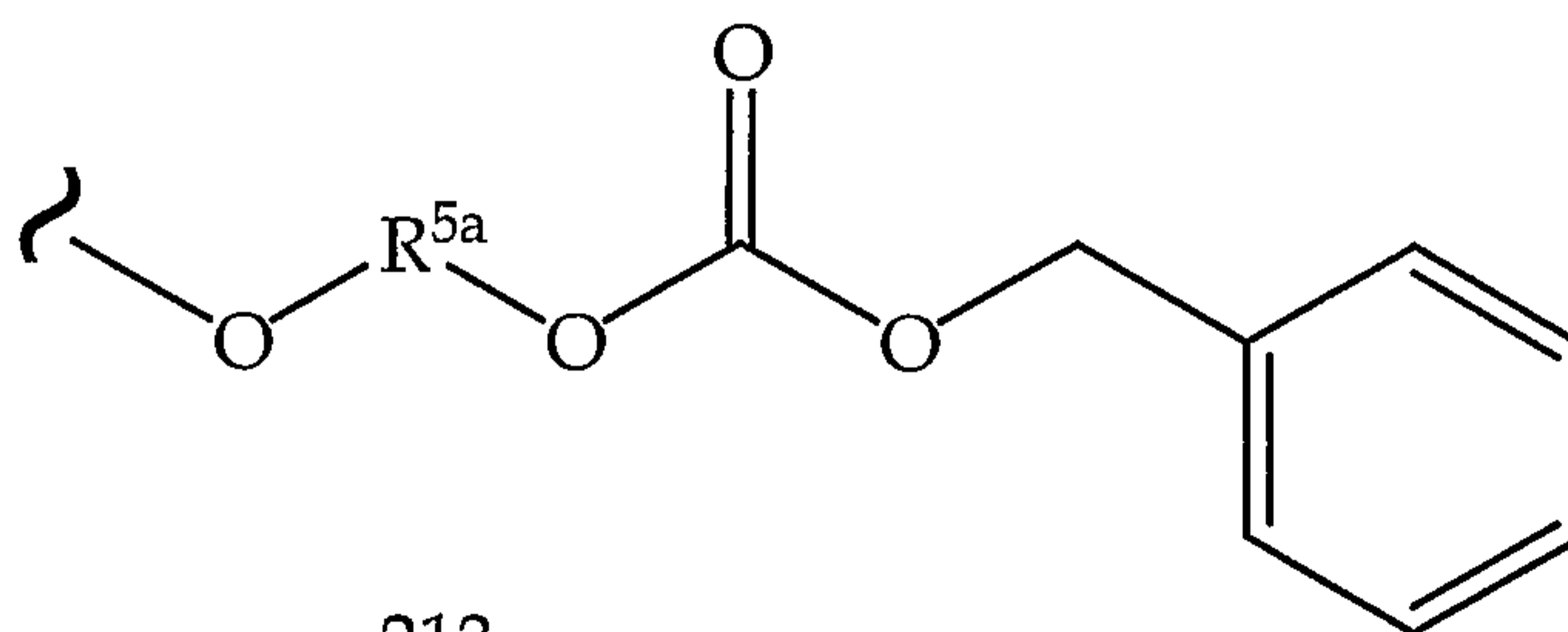
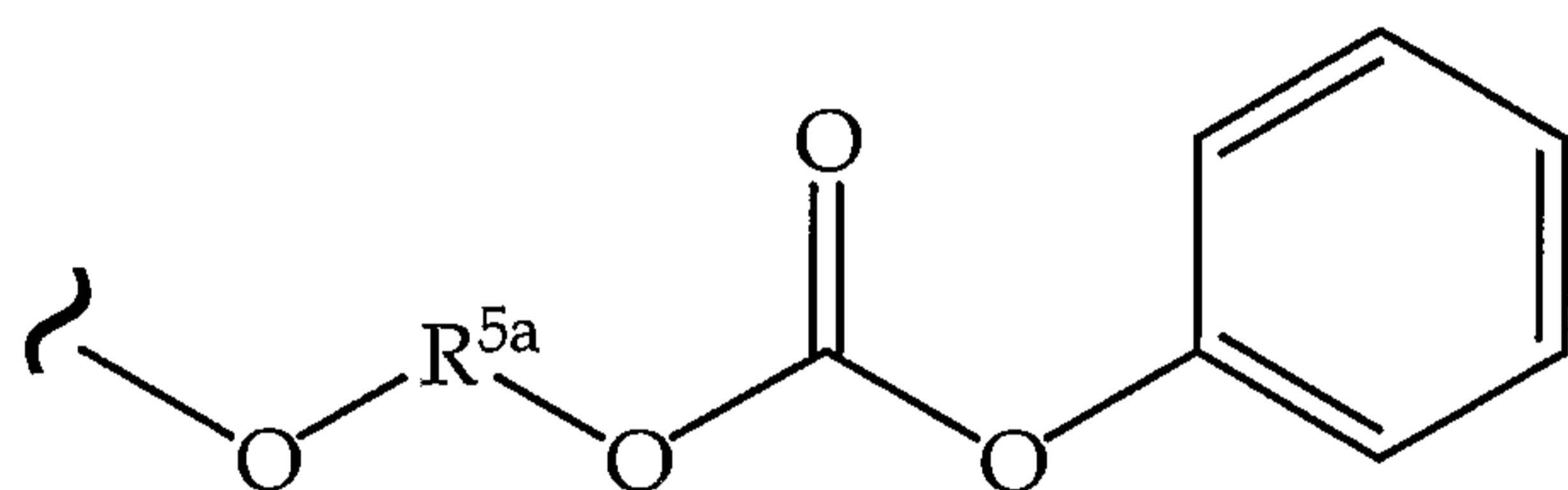
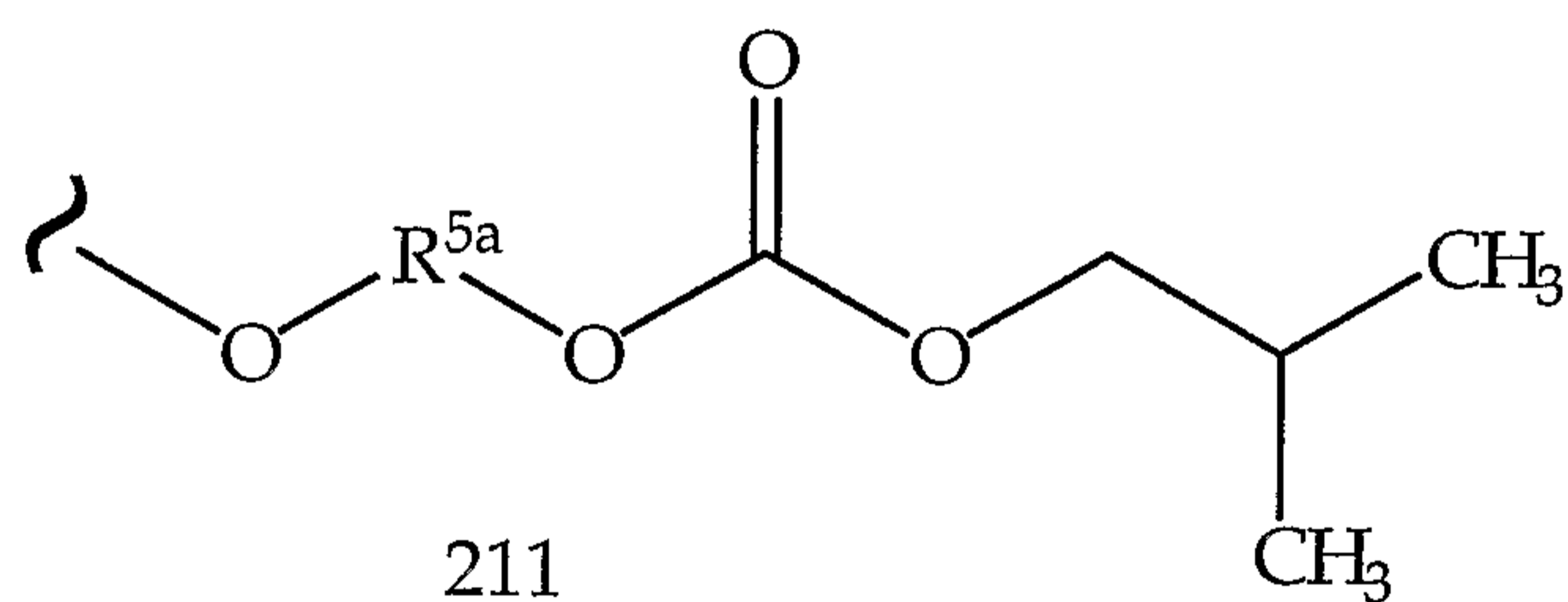
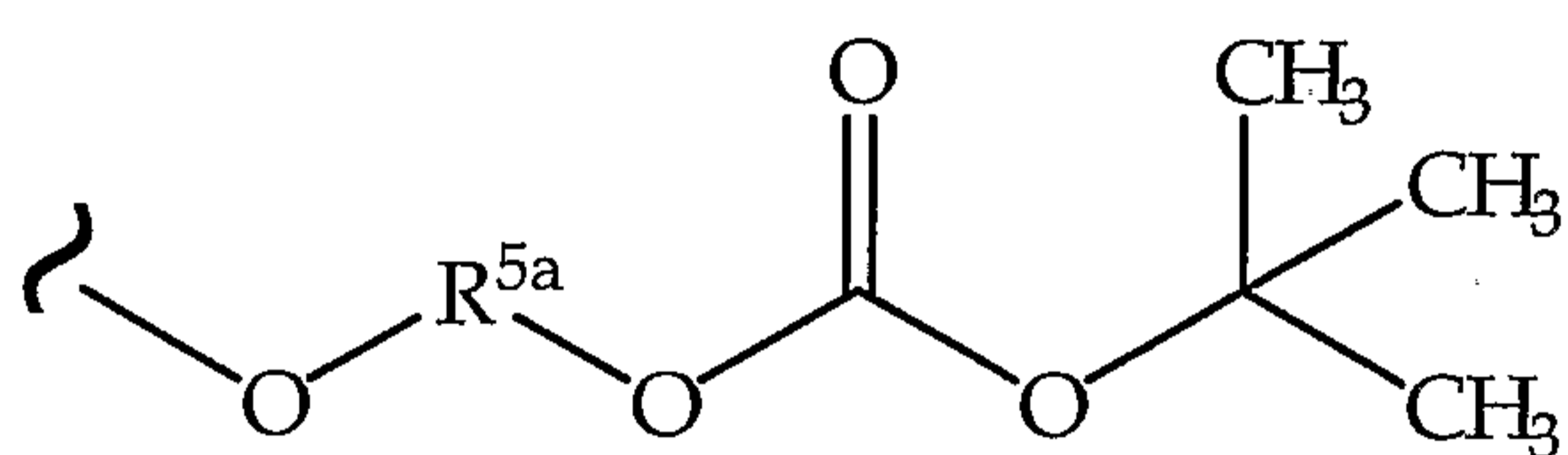
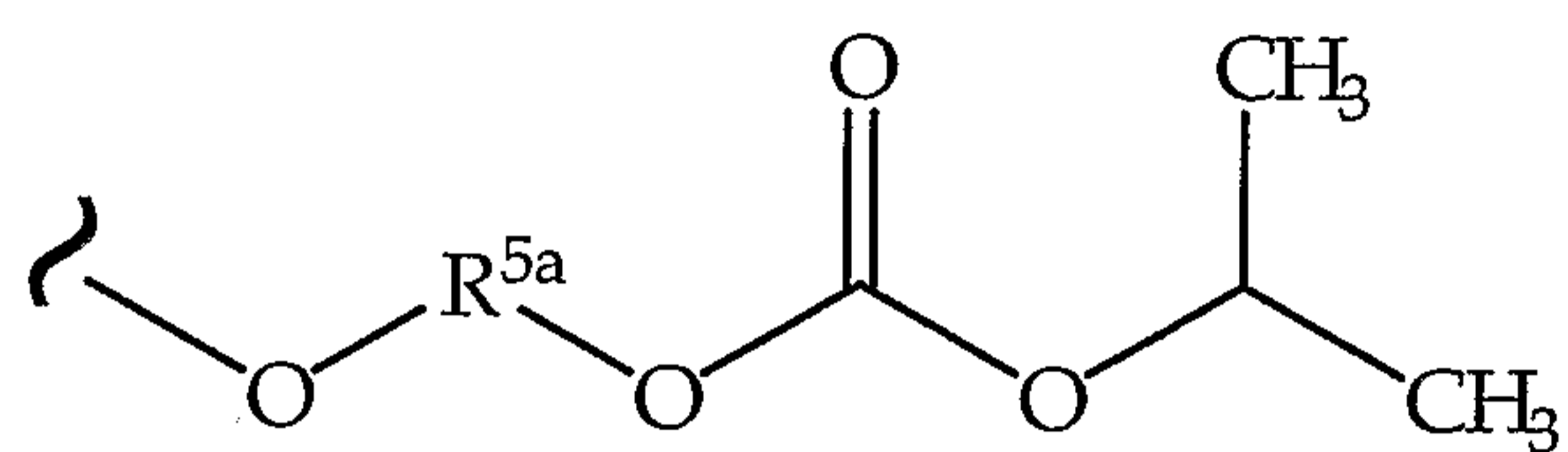
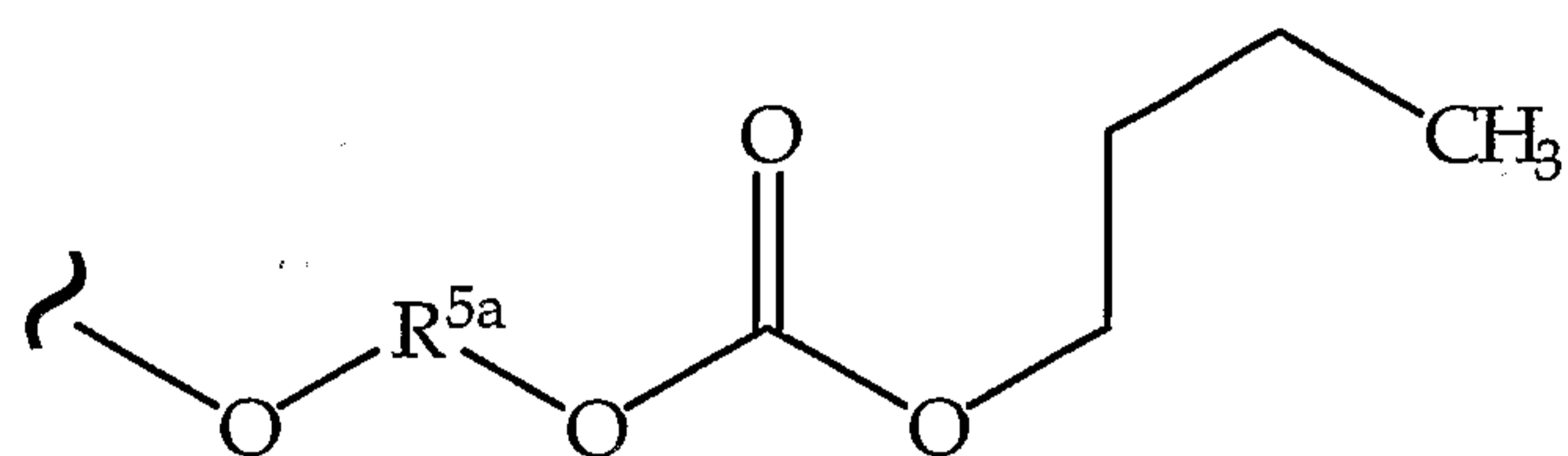


206



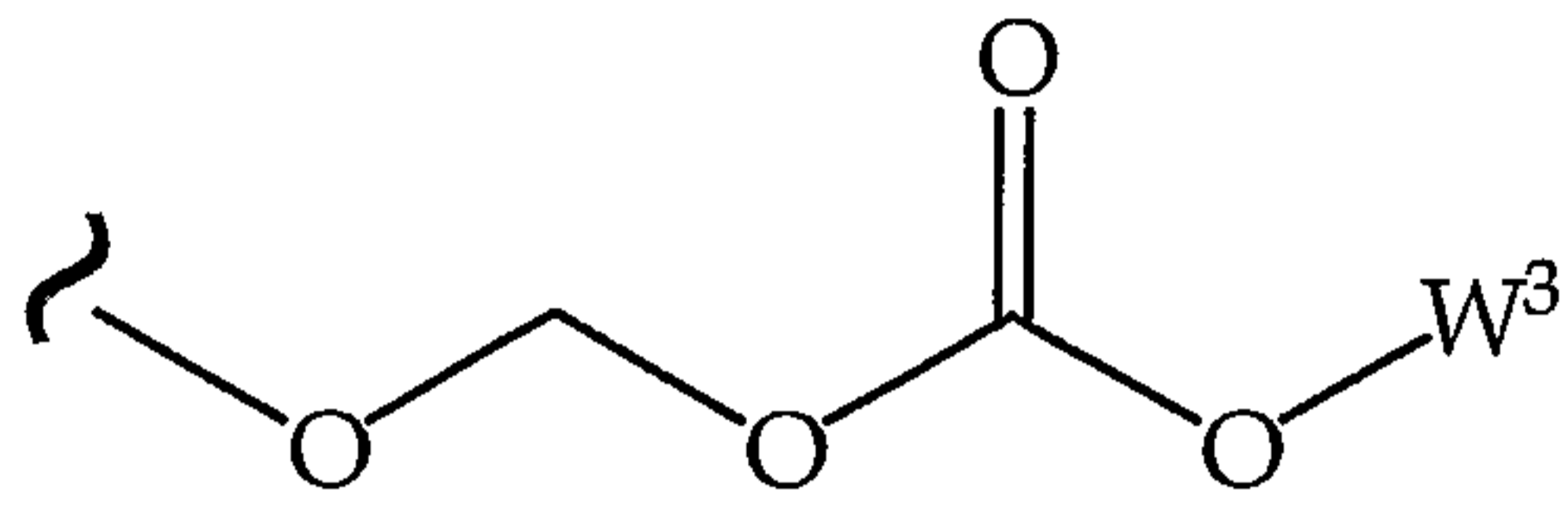
207

TABLE 20.32

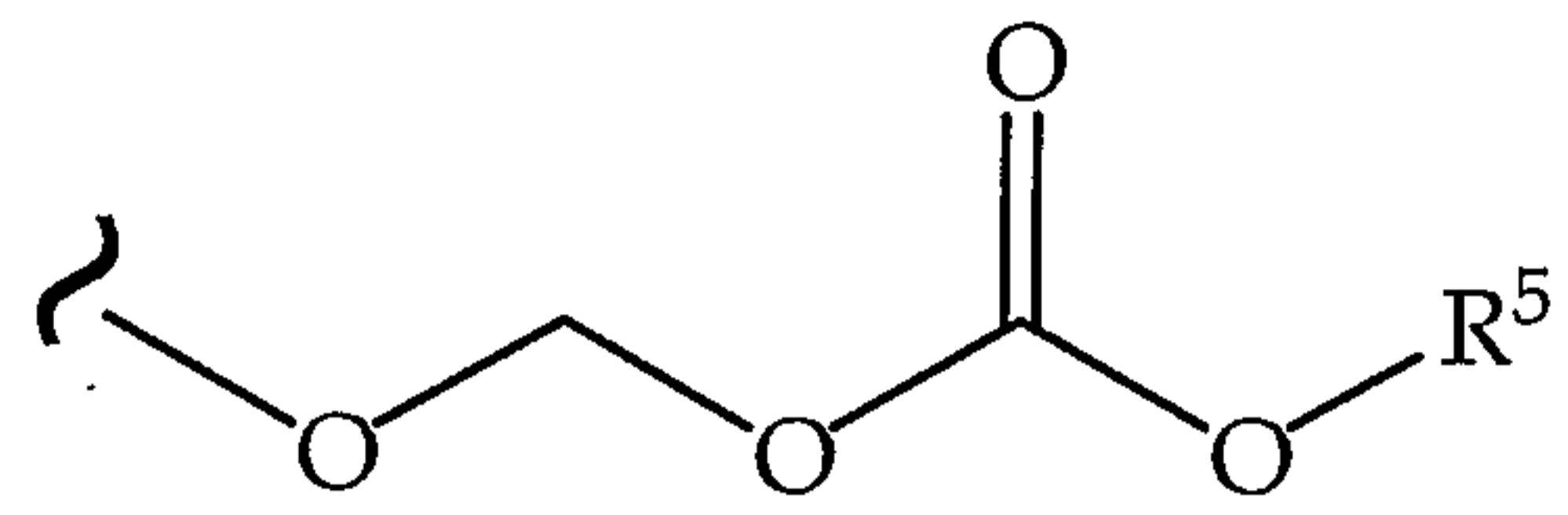


218

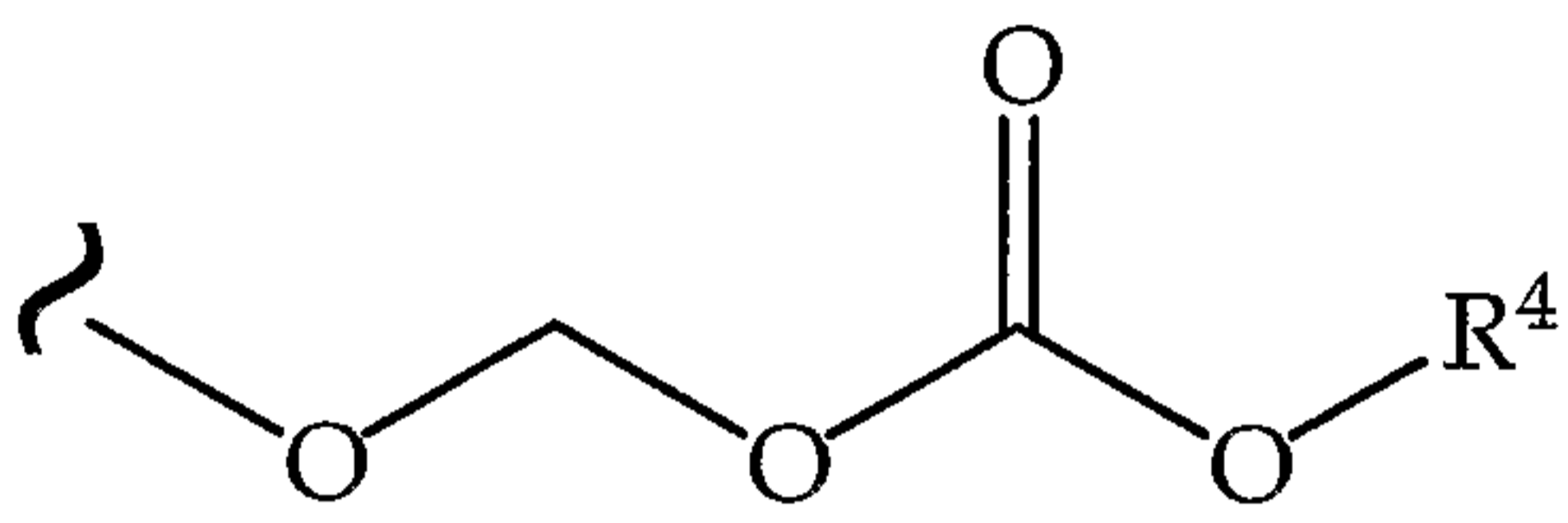
TABLE 20.55



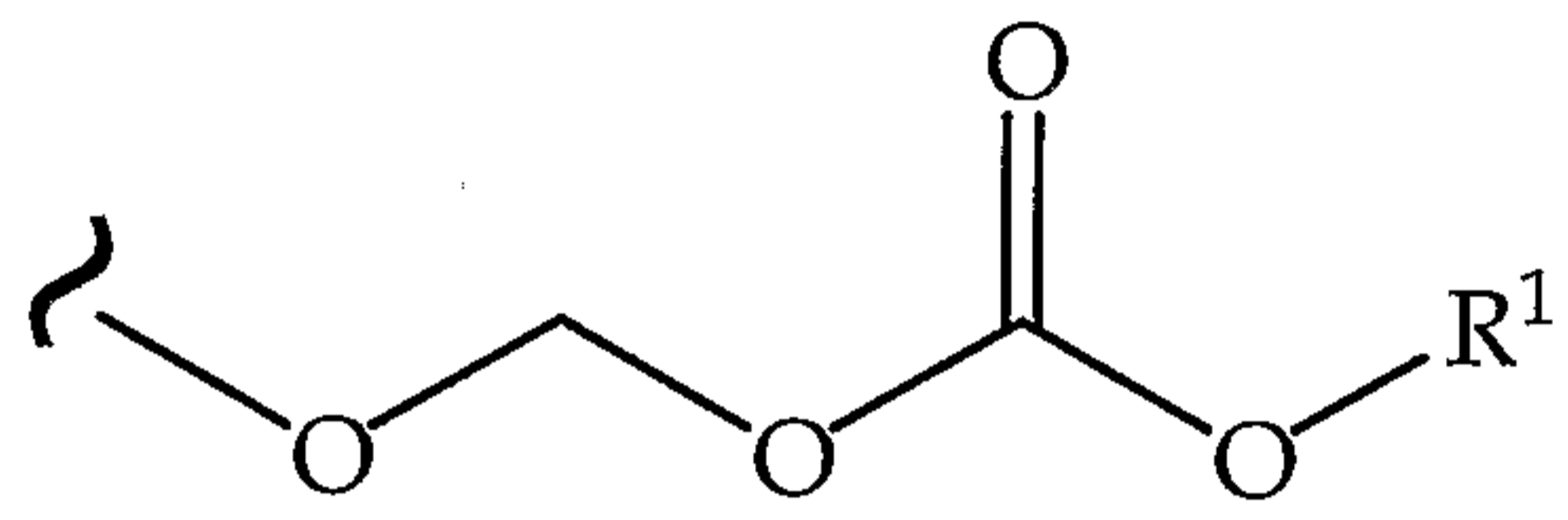
214



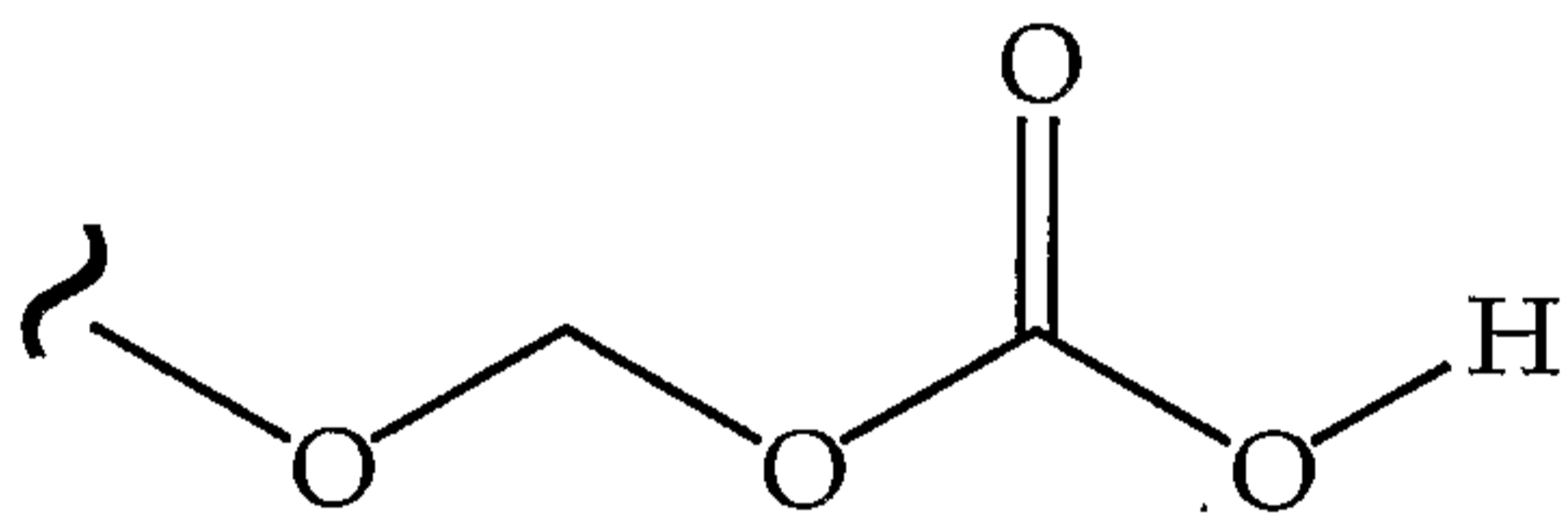
215



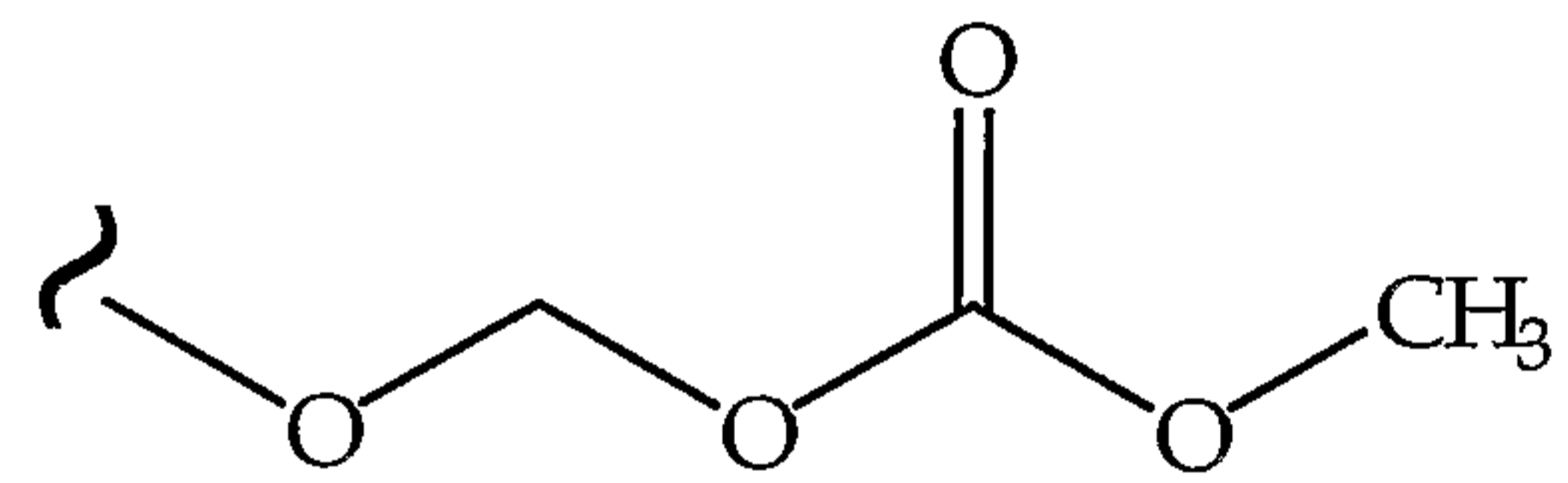
216



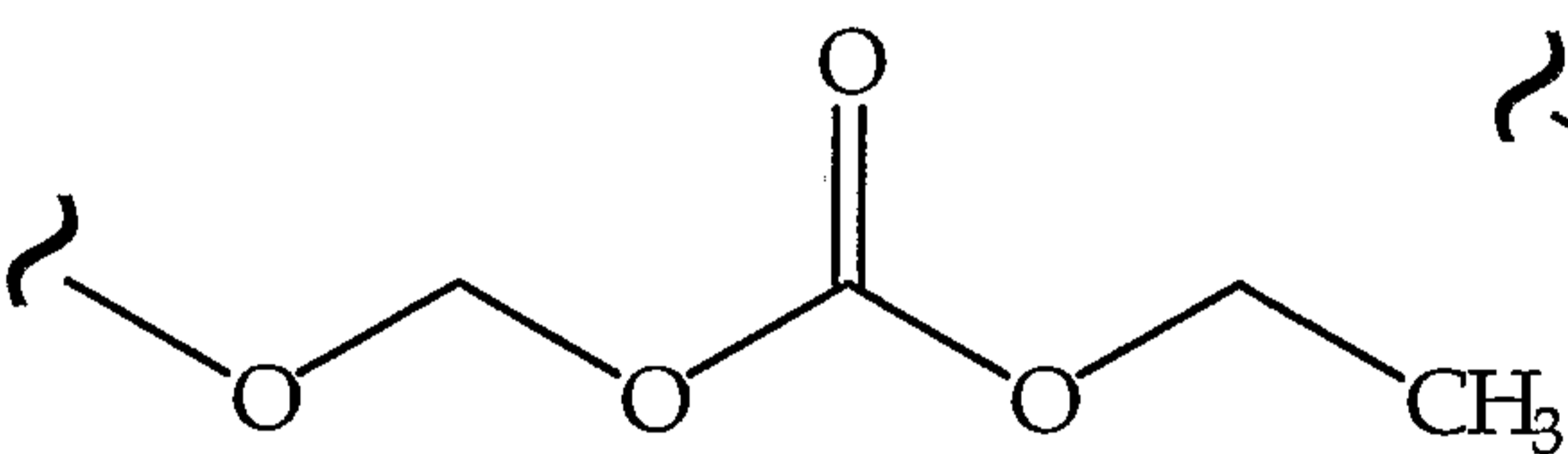
217



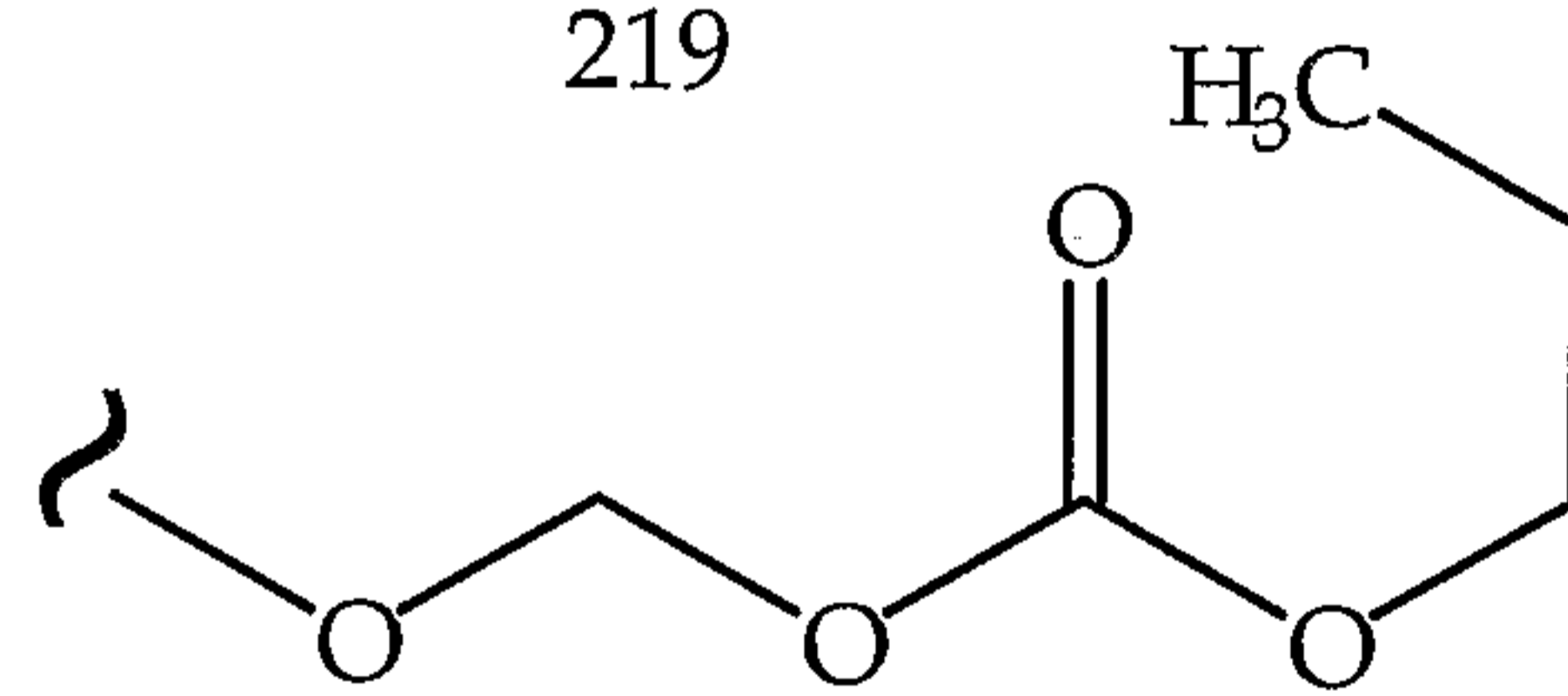
218



219

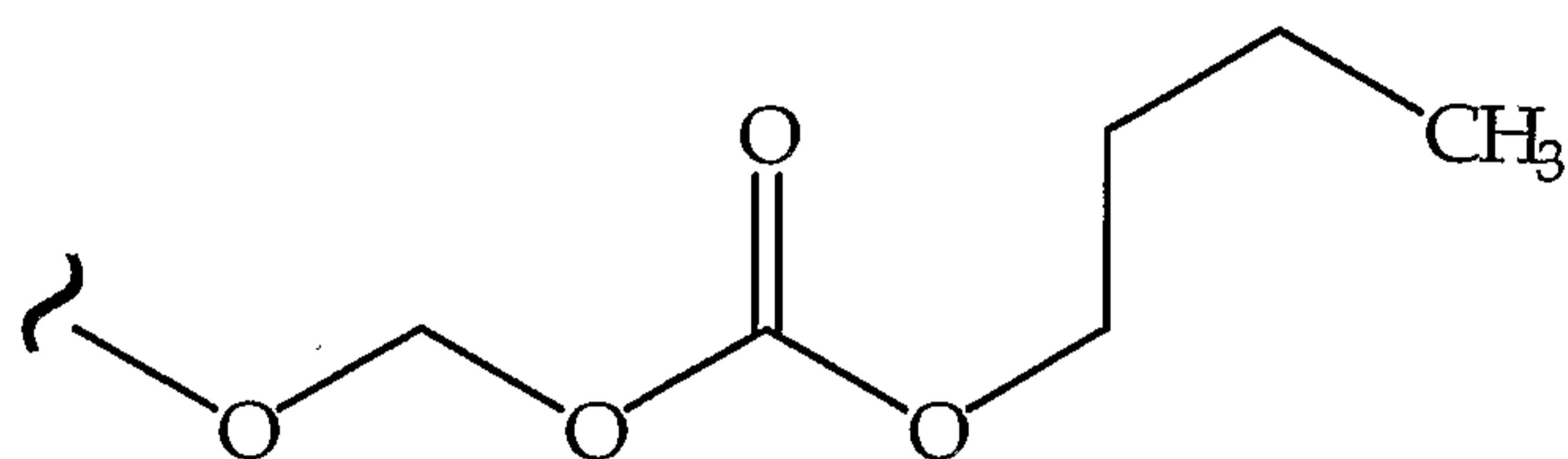


220

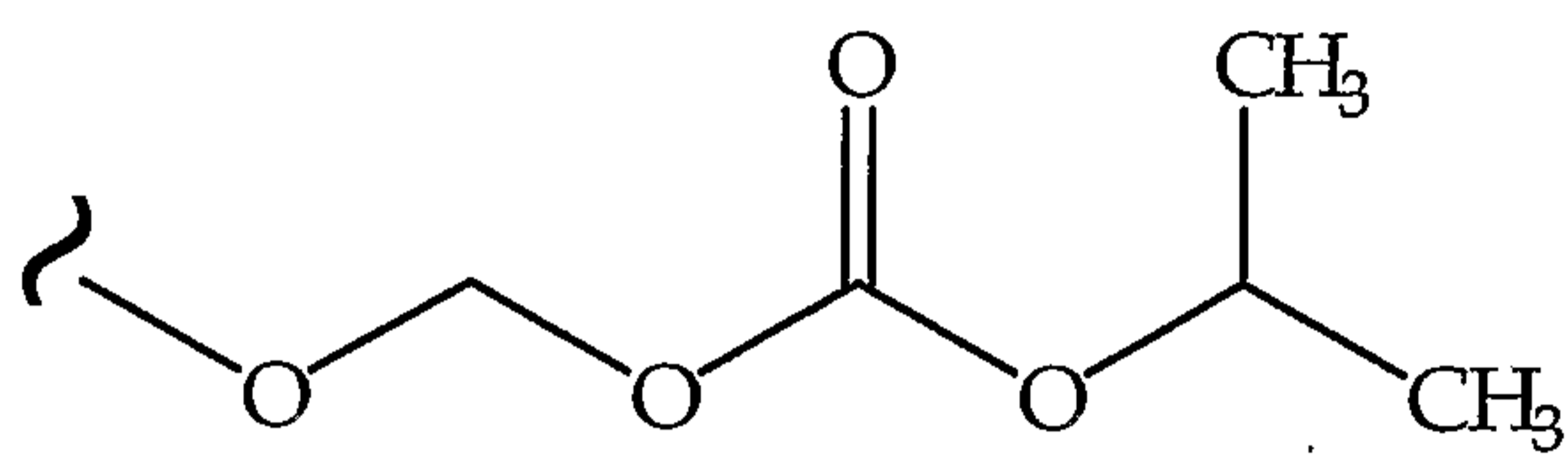


221

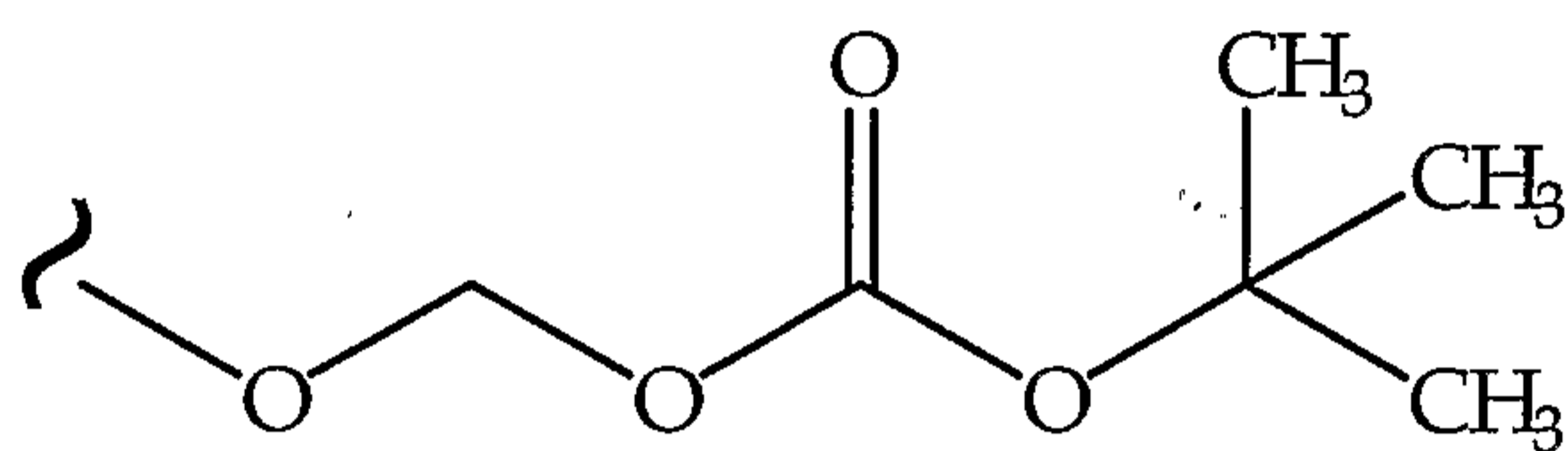
TABLE 20.54



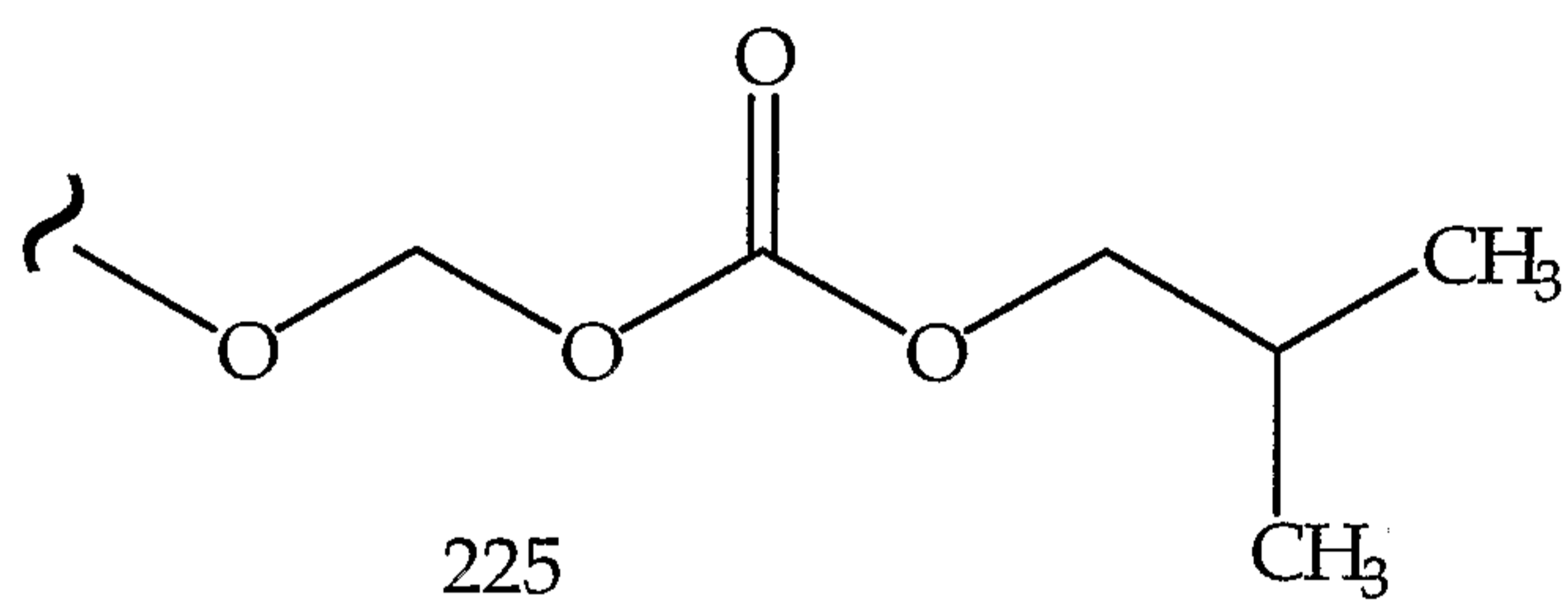
222



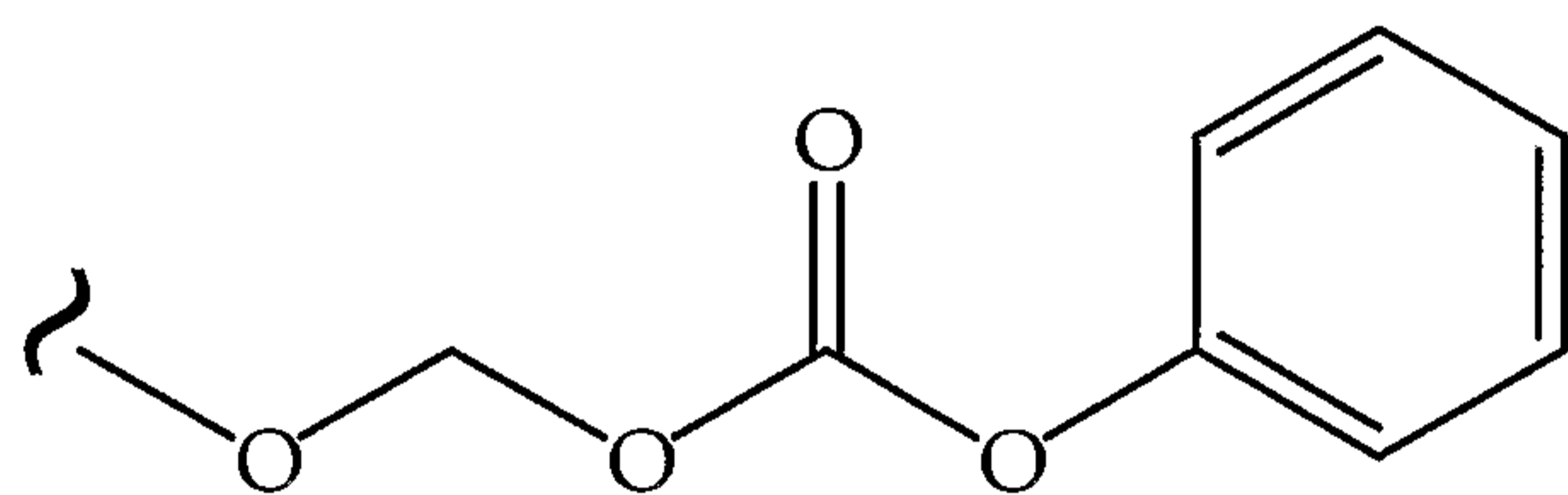
223



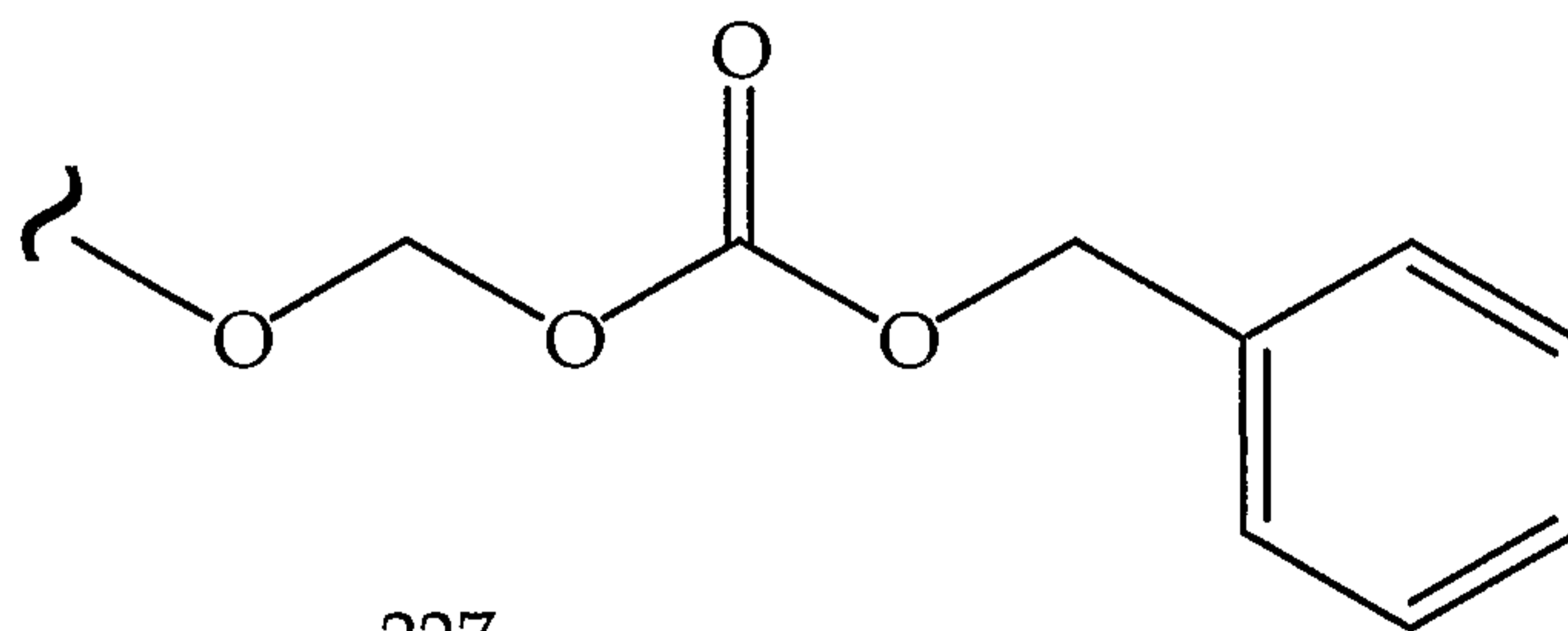
224



225



226



227

TABLE 20.55

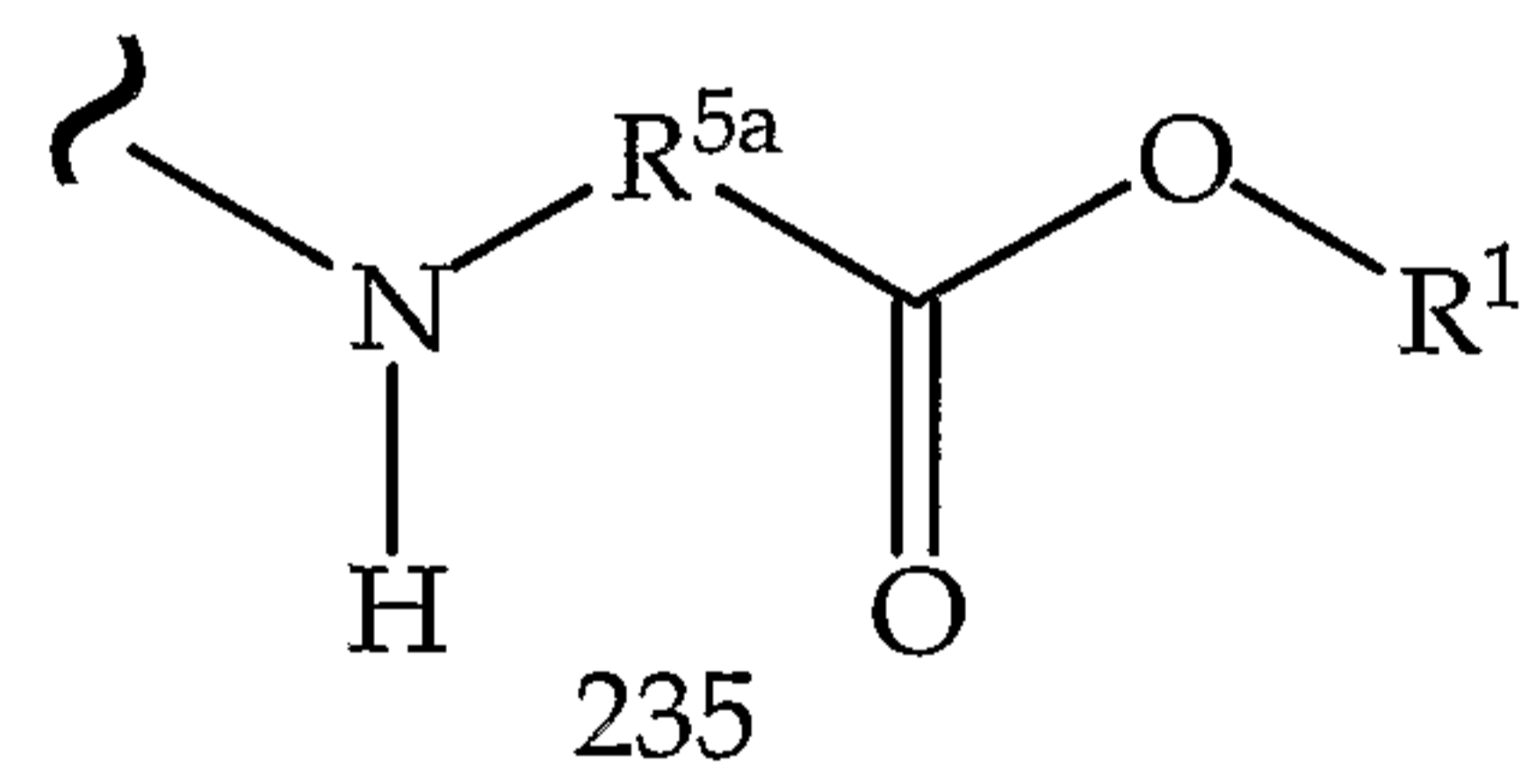
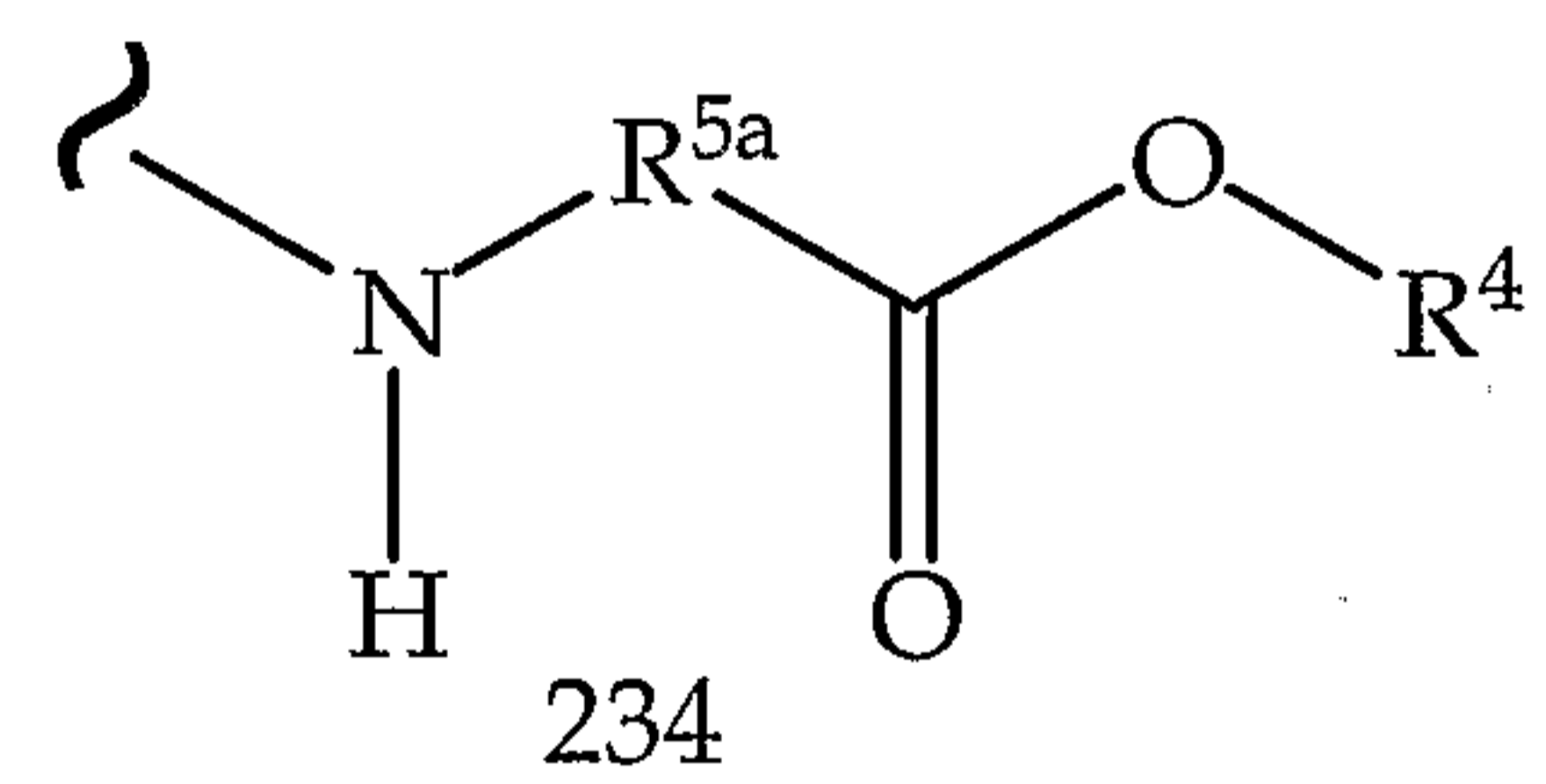
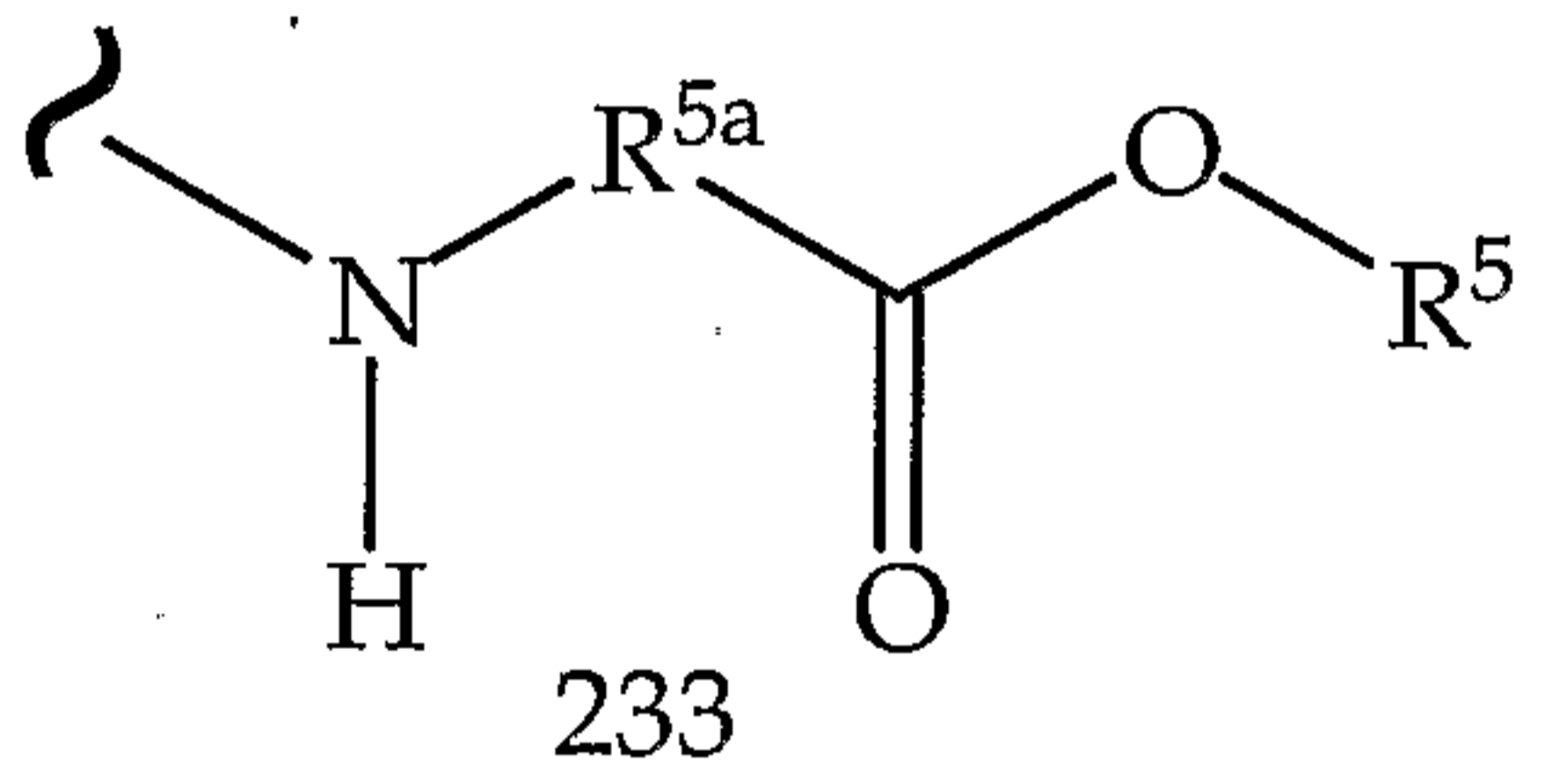
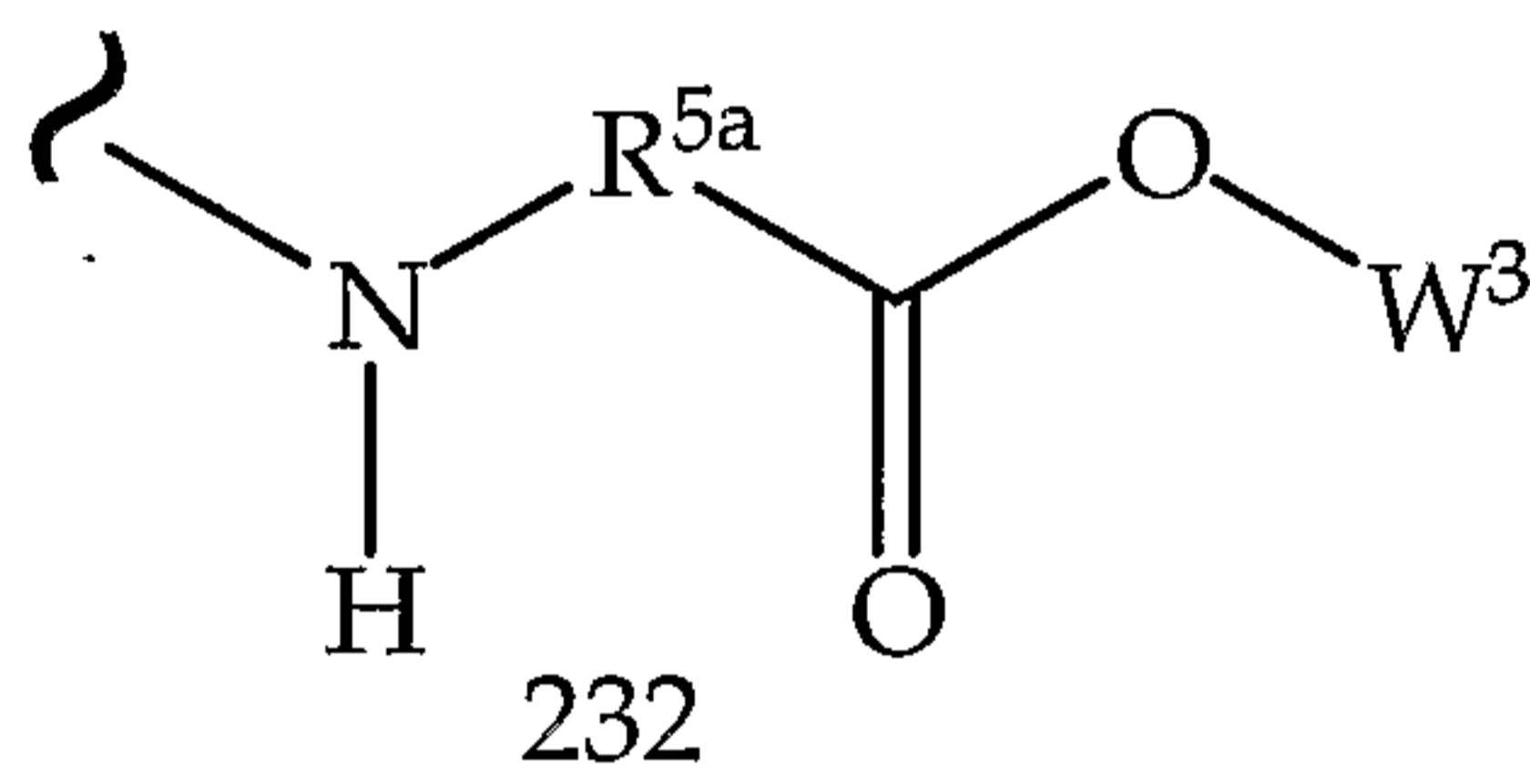
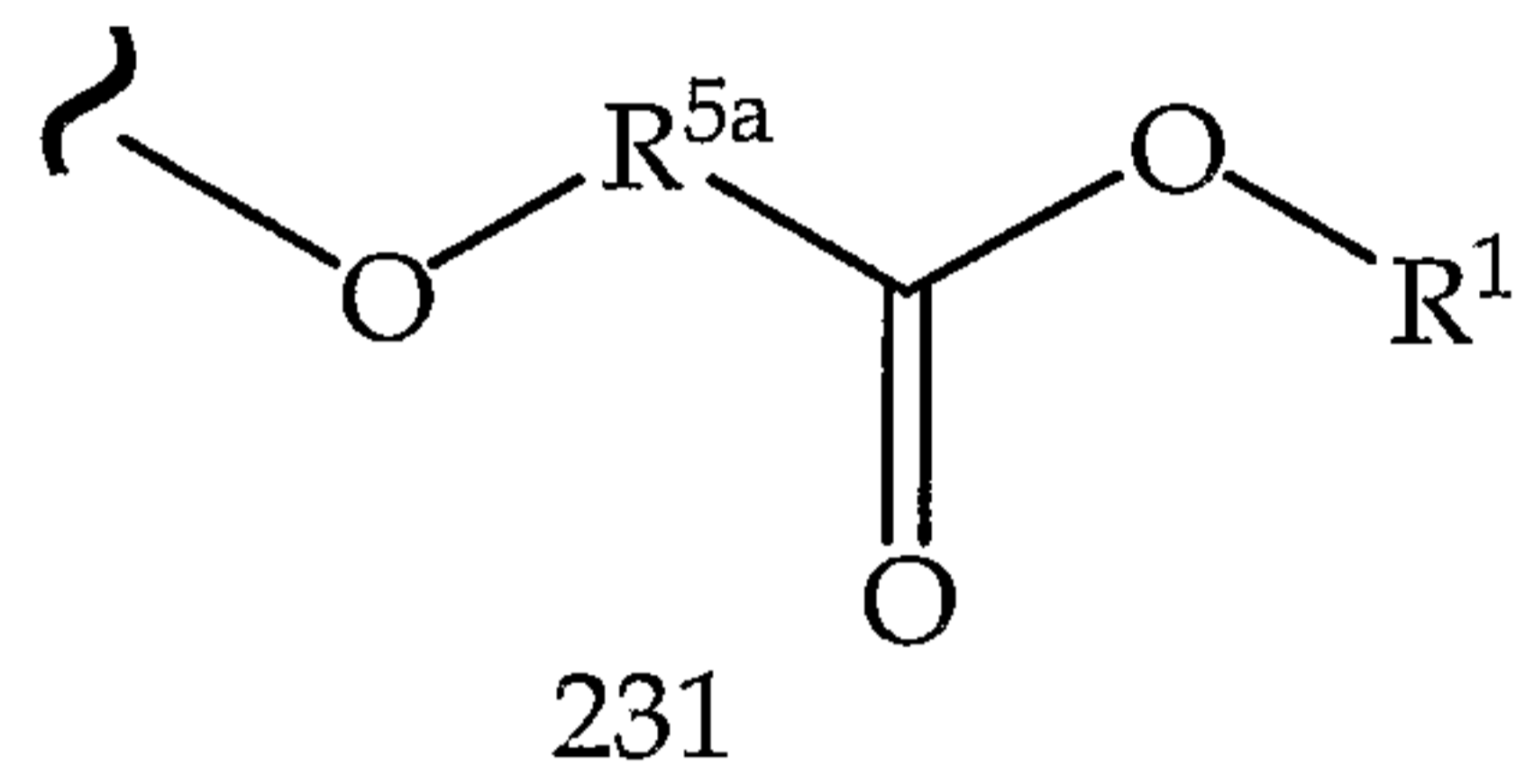
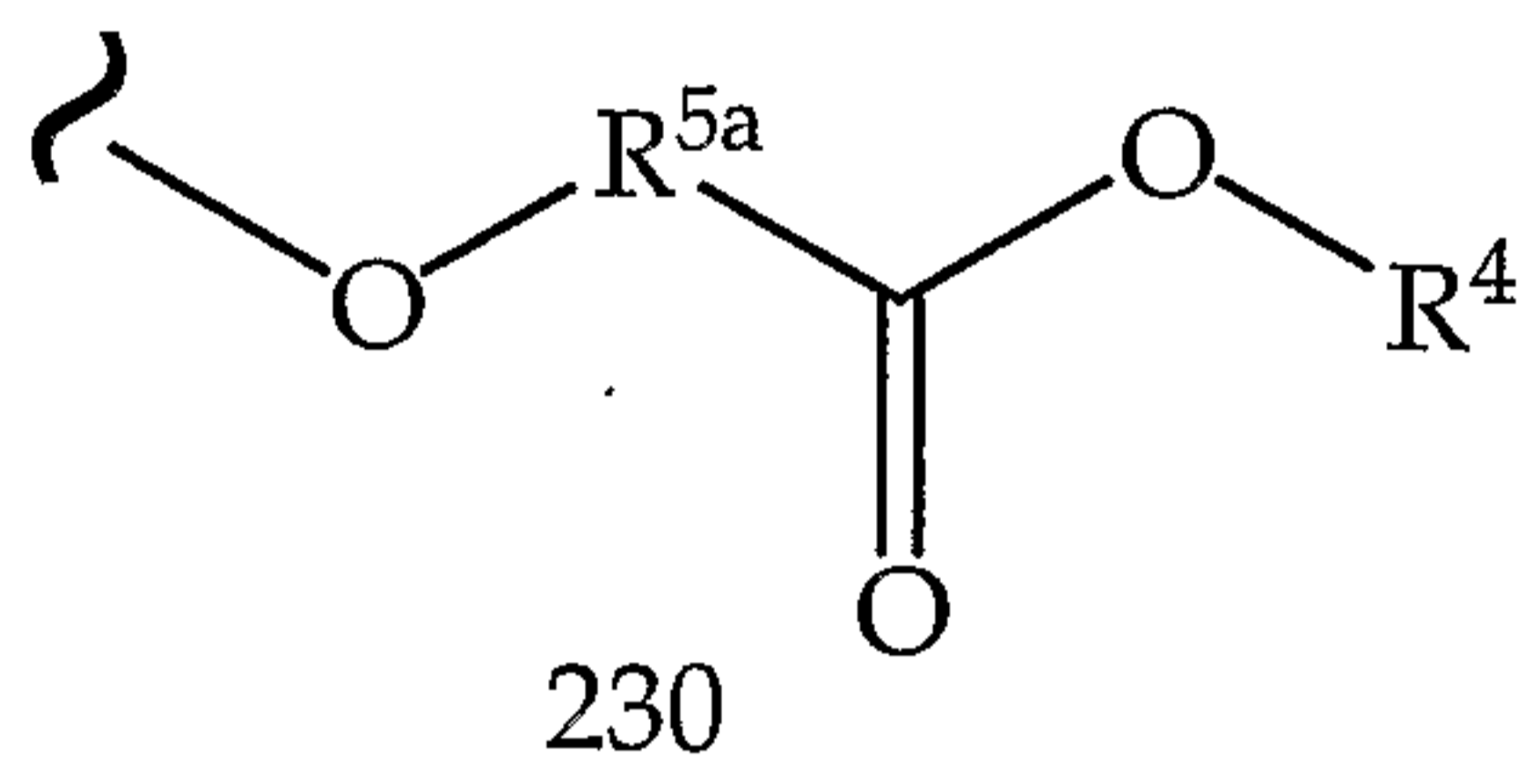
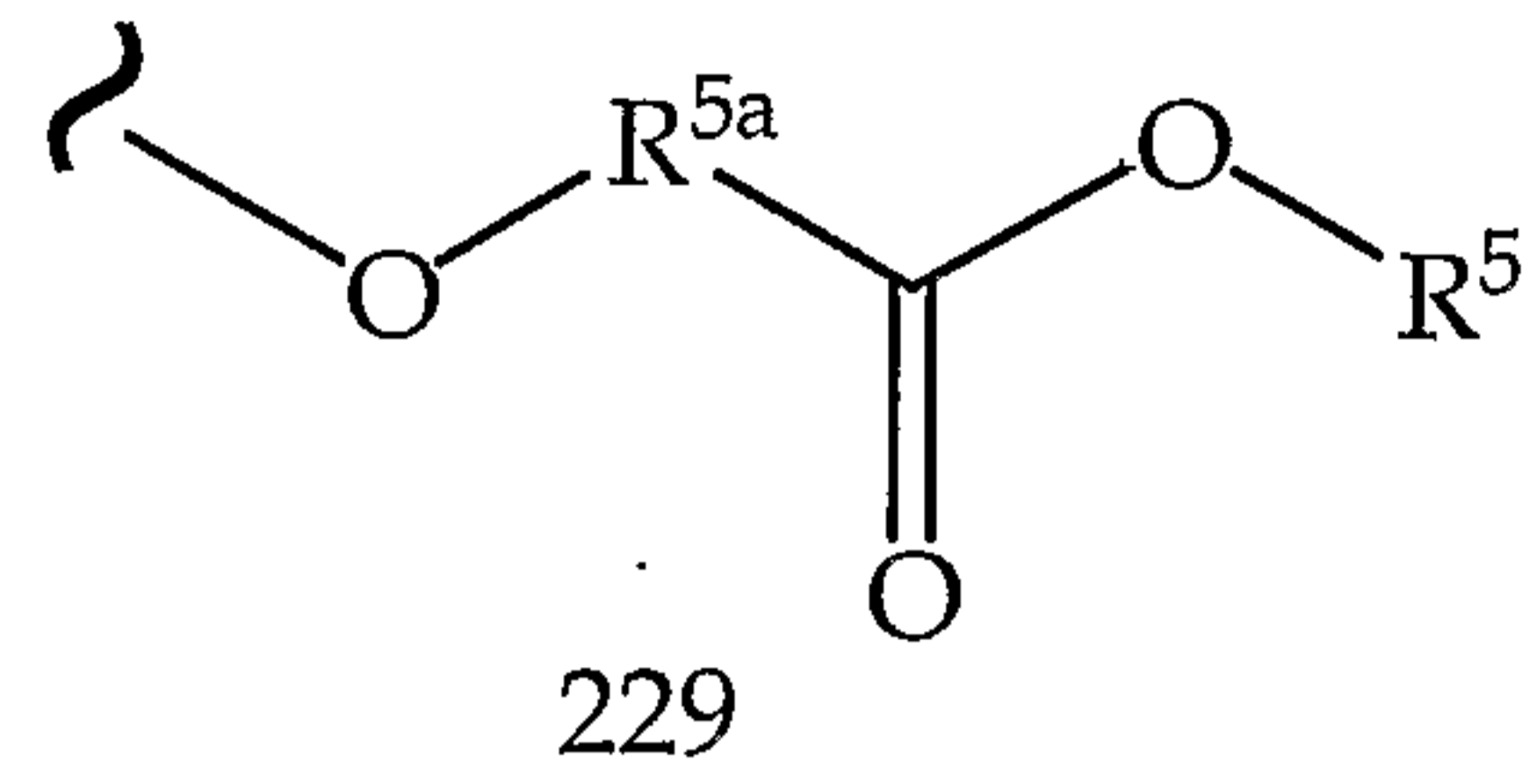
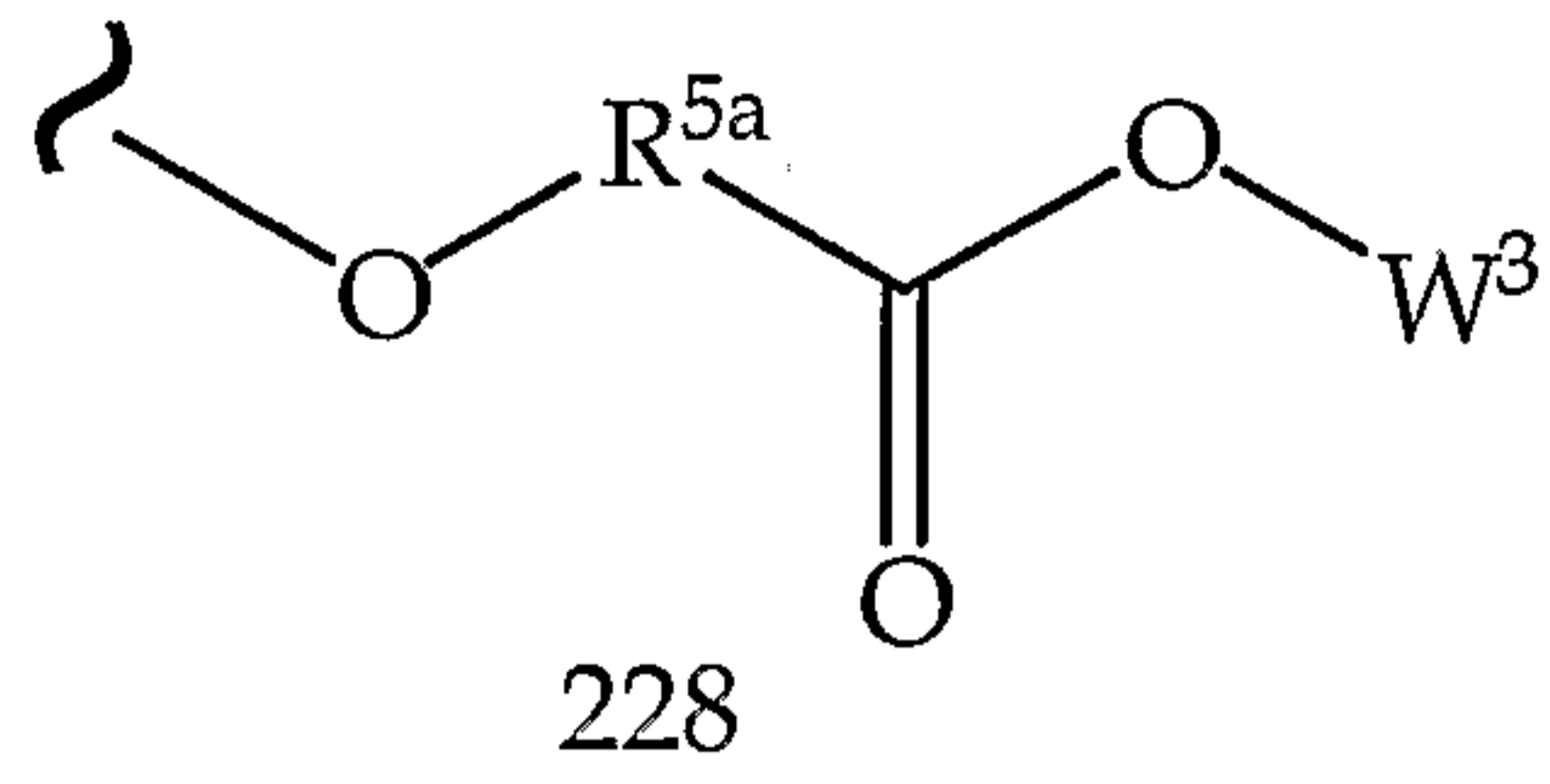




TABLE 20.50

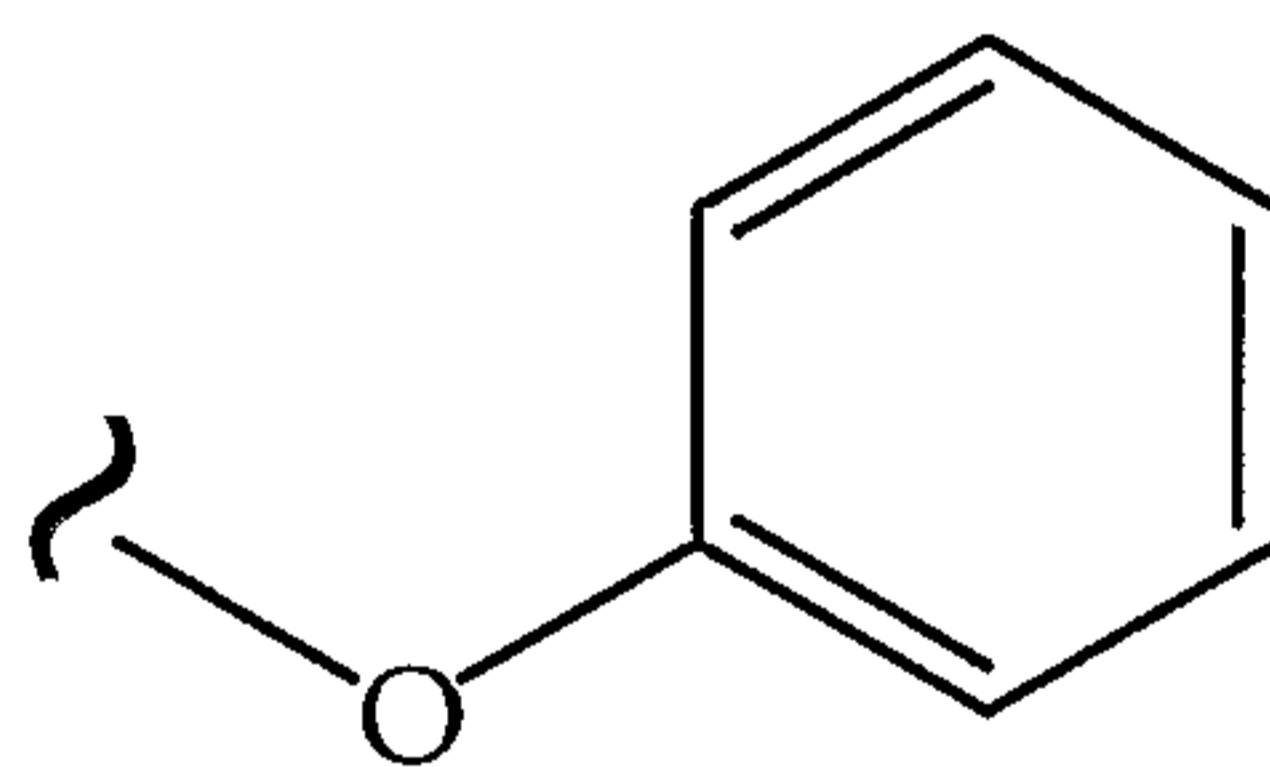
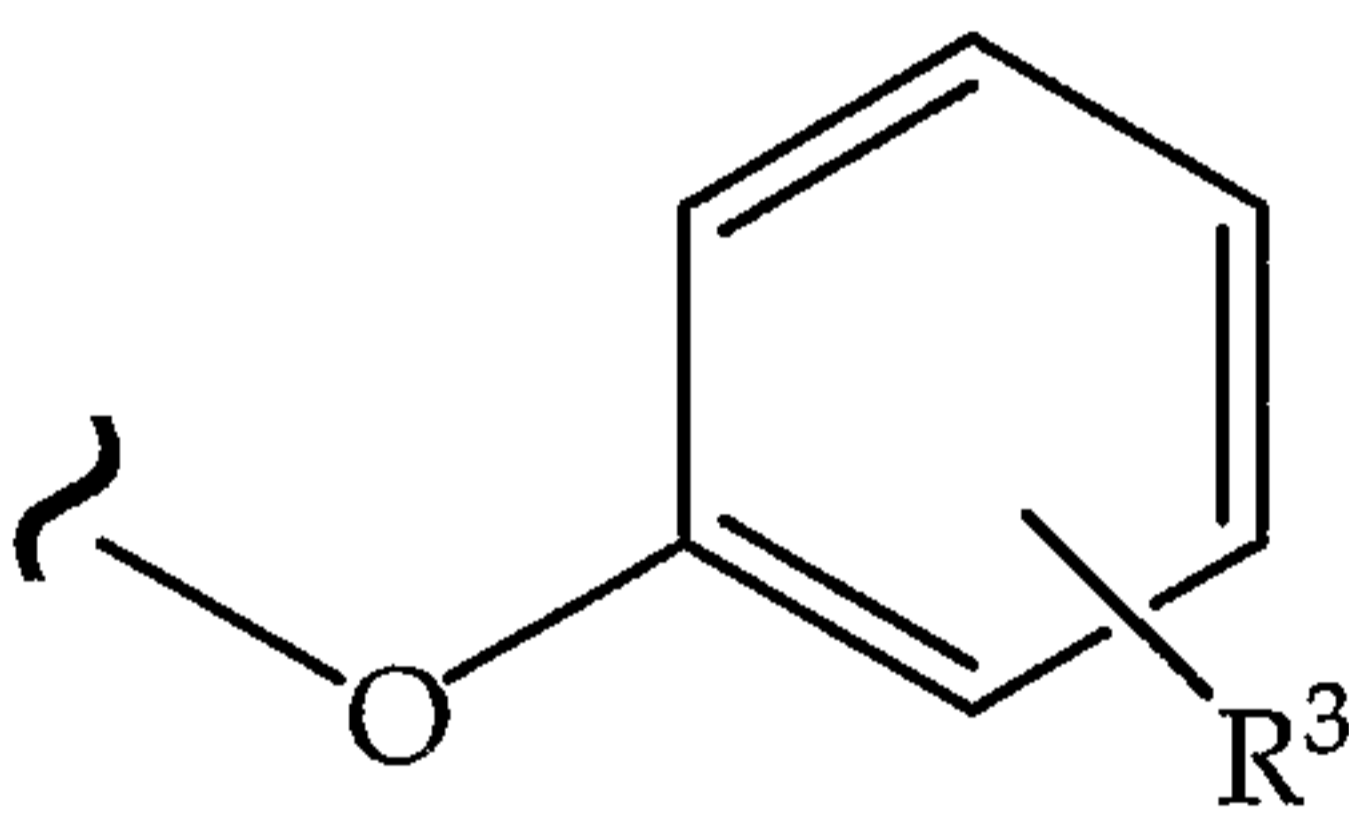
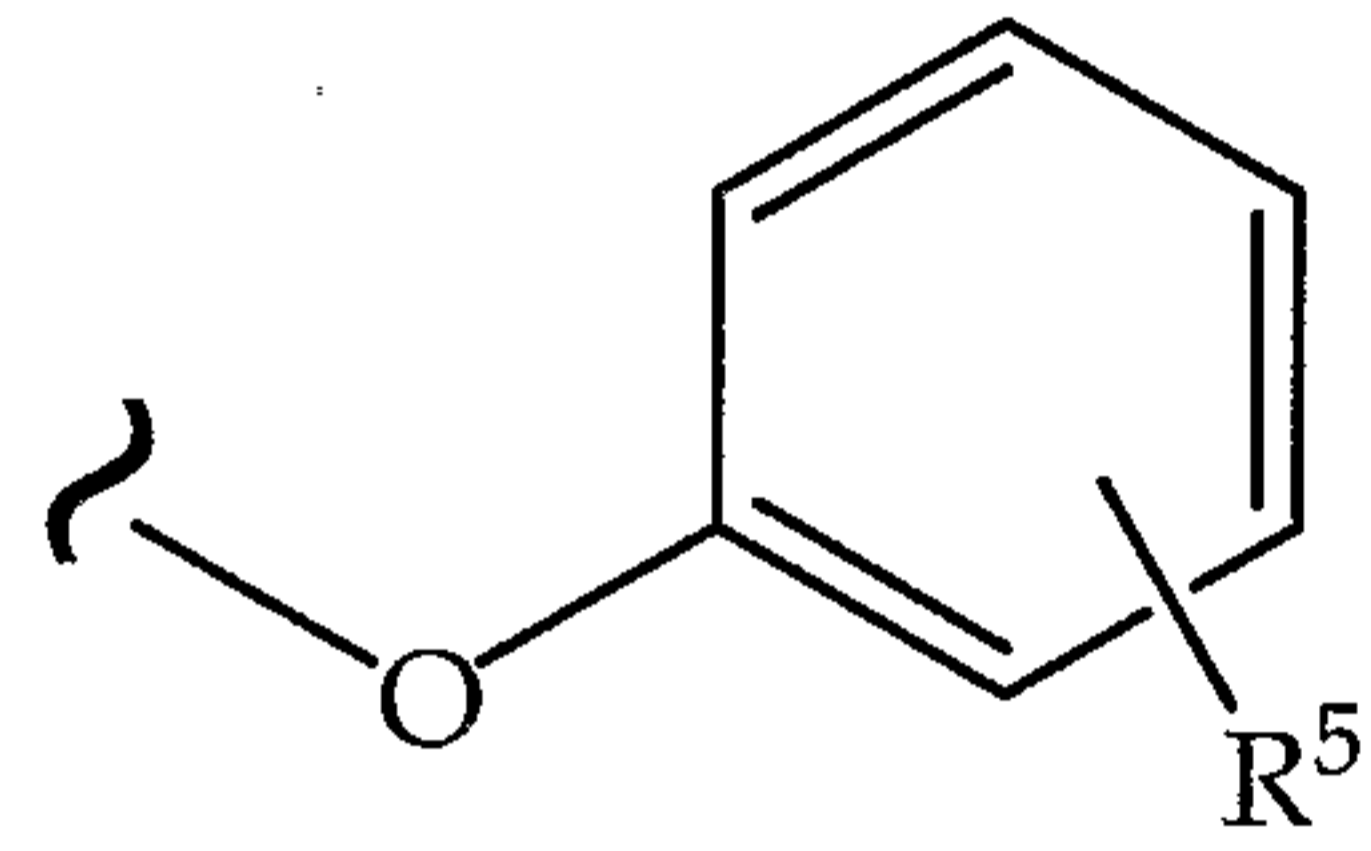
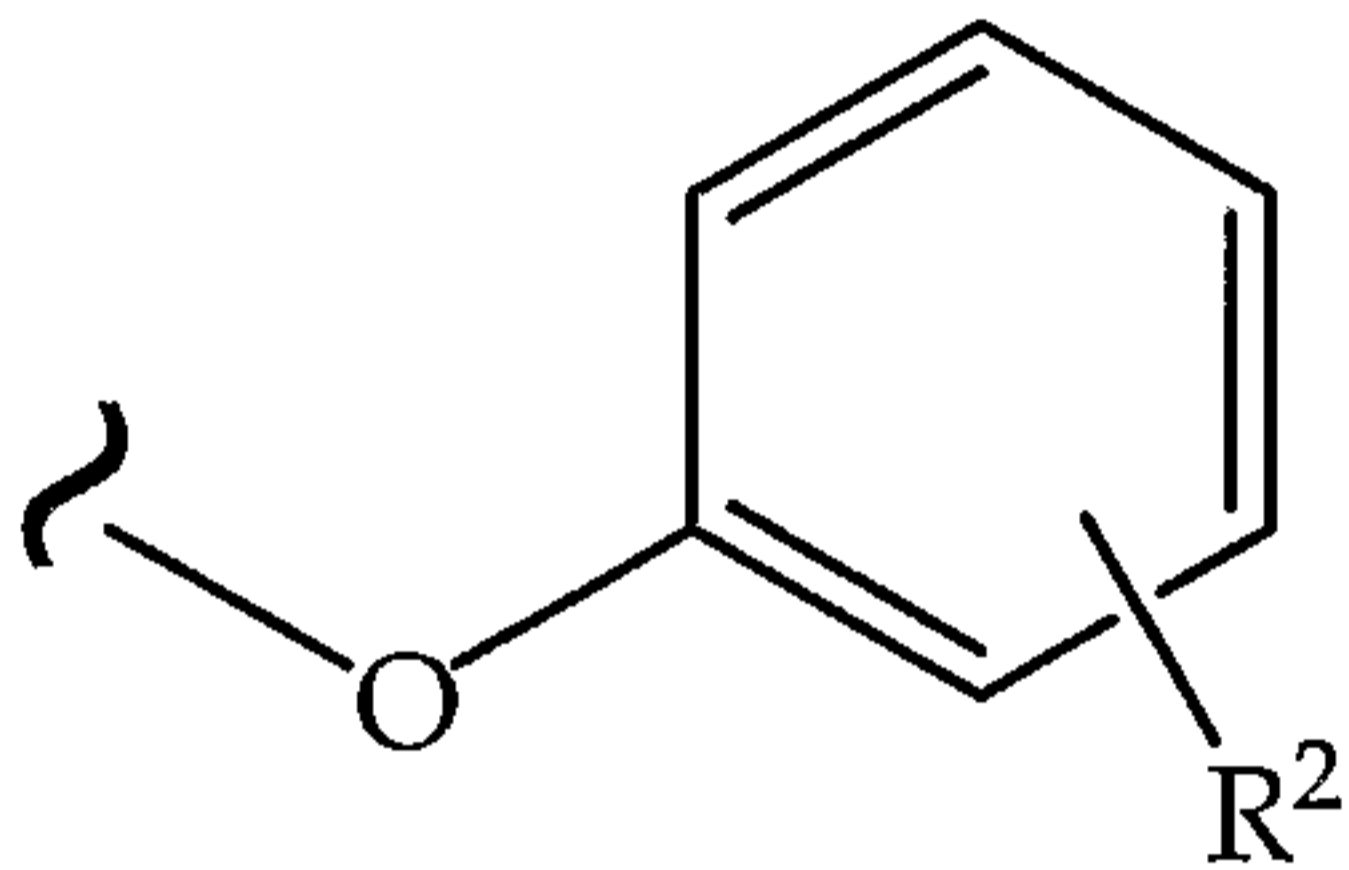
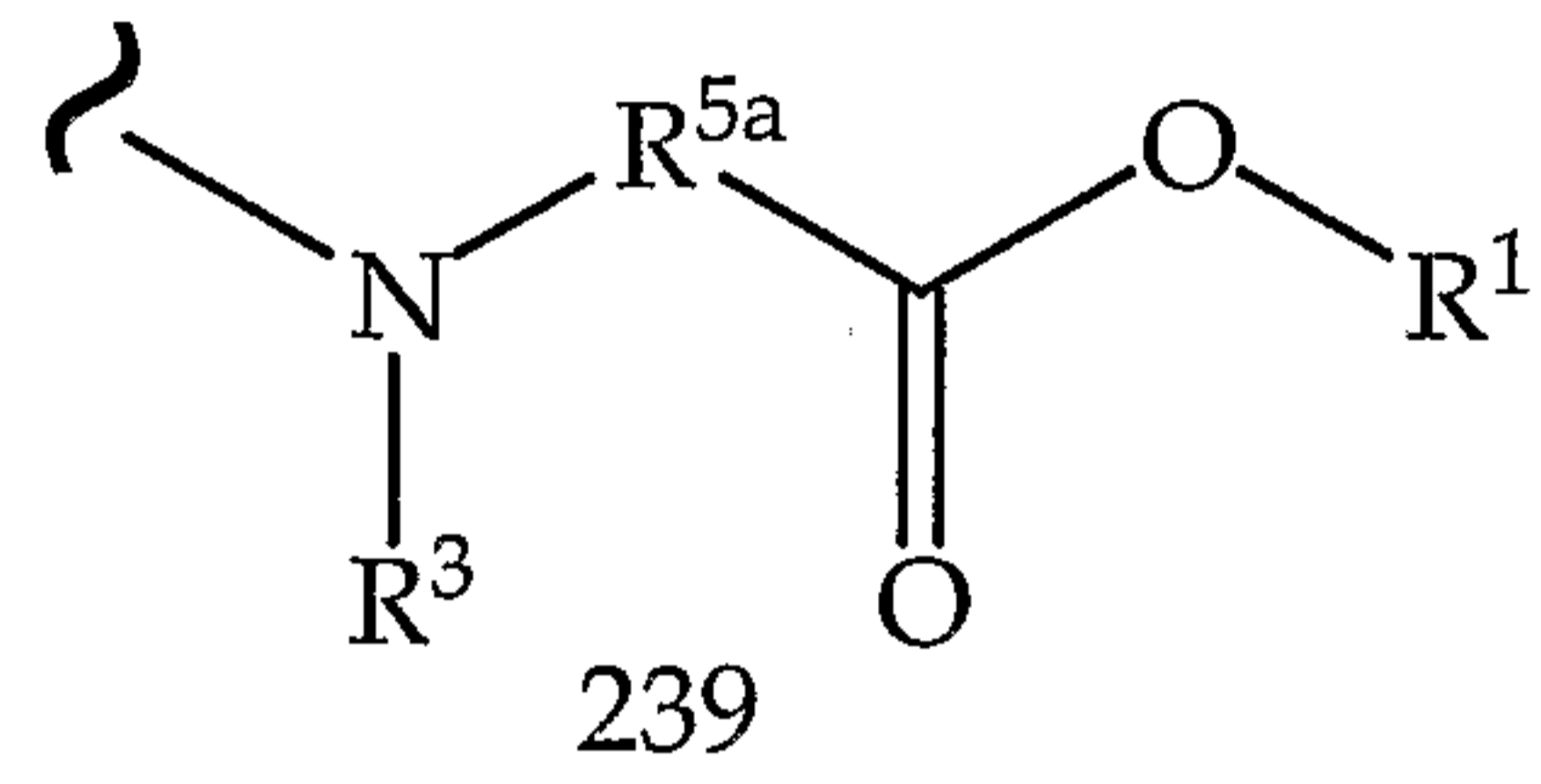
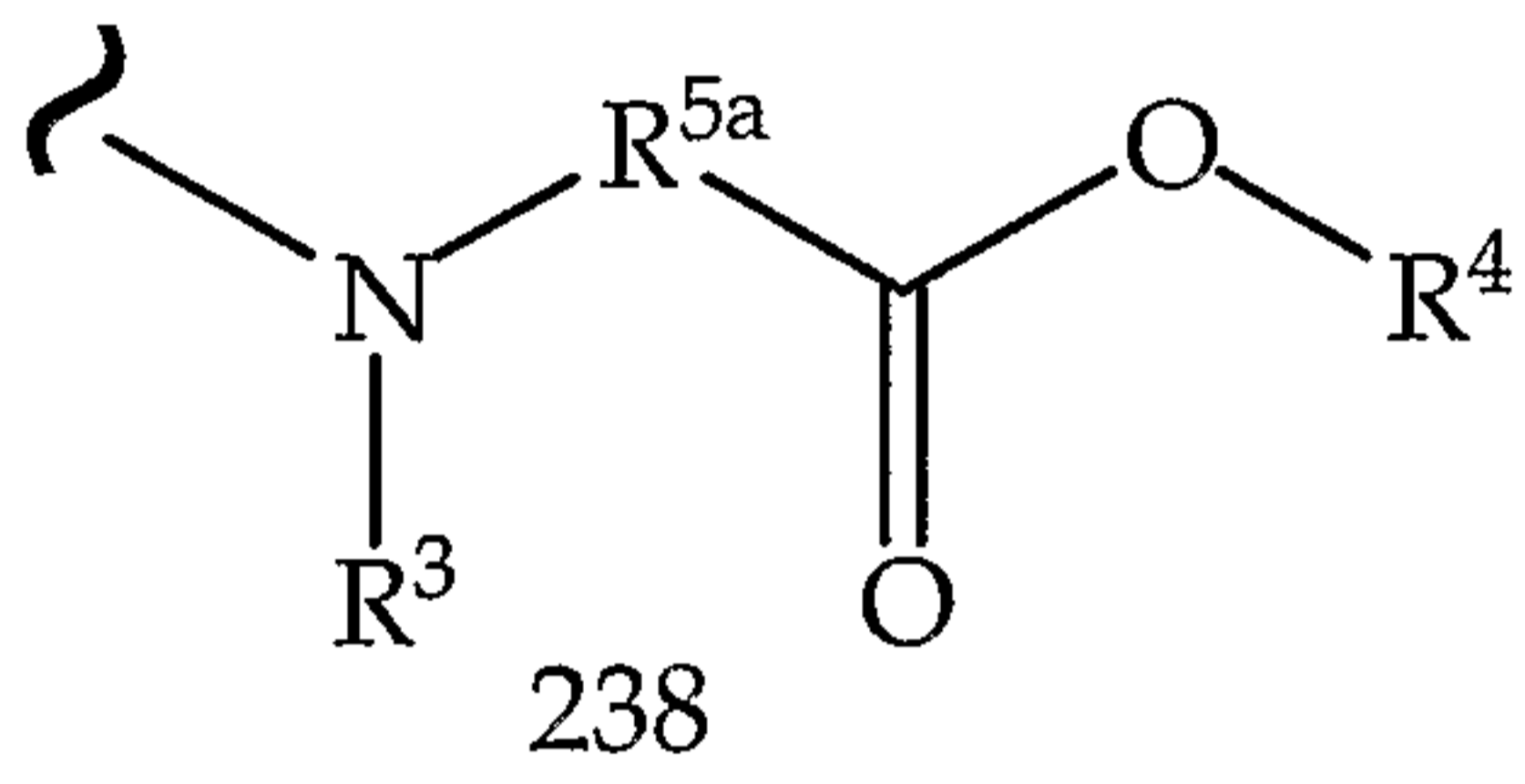
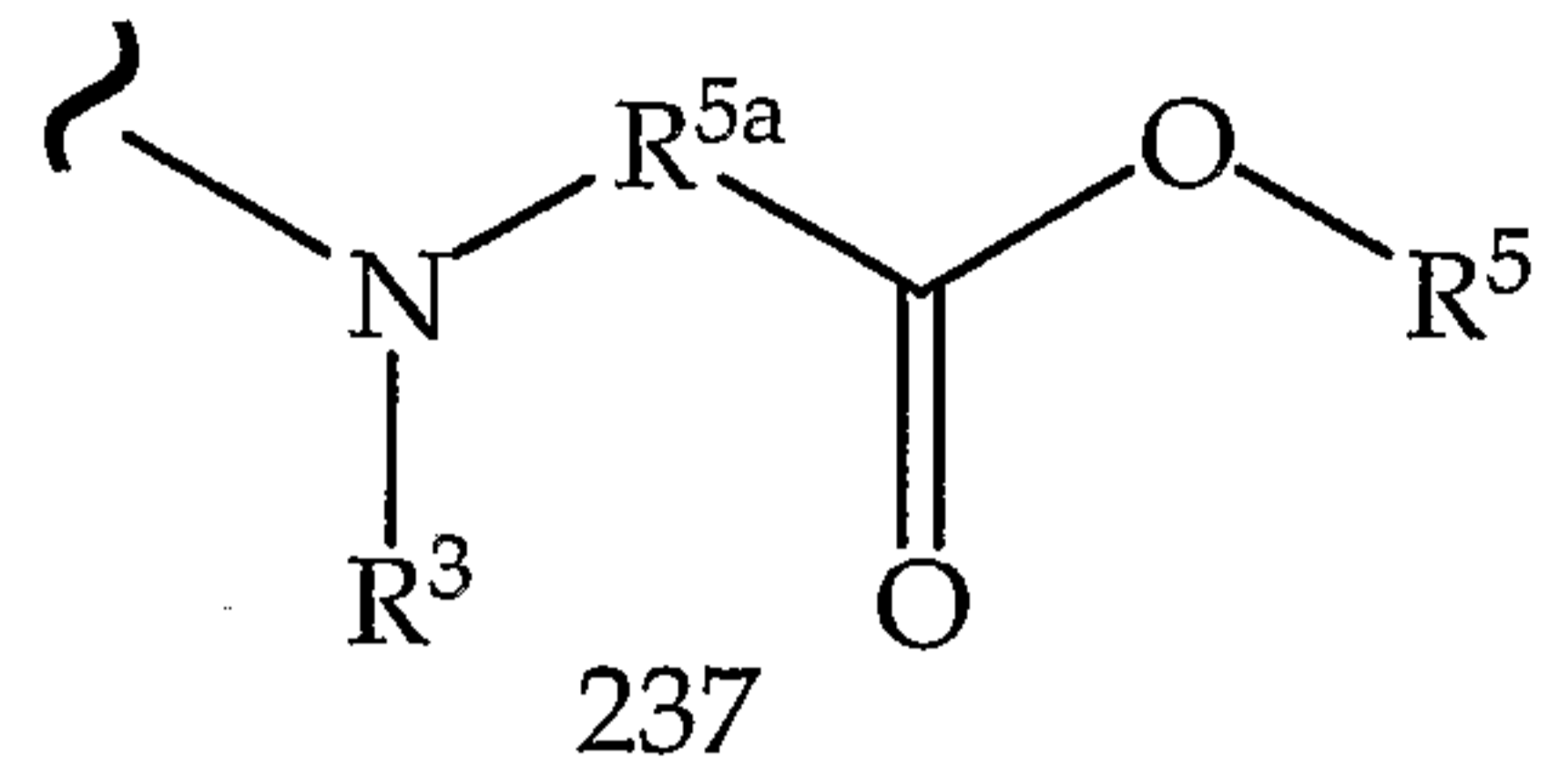
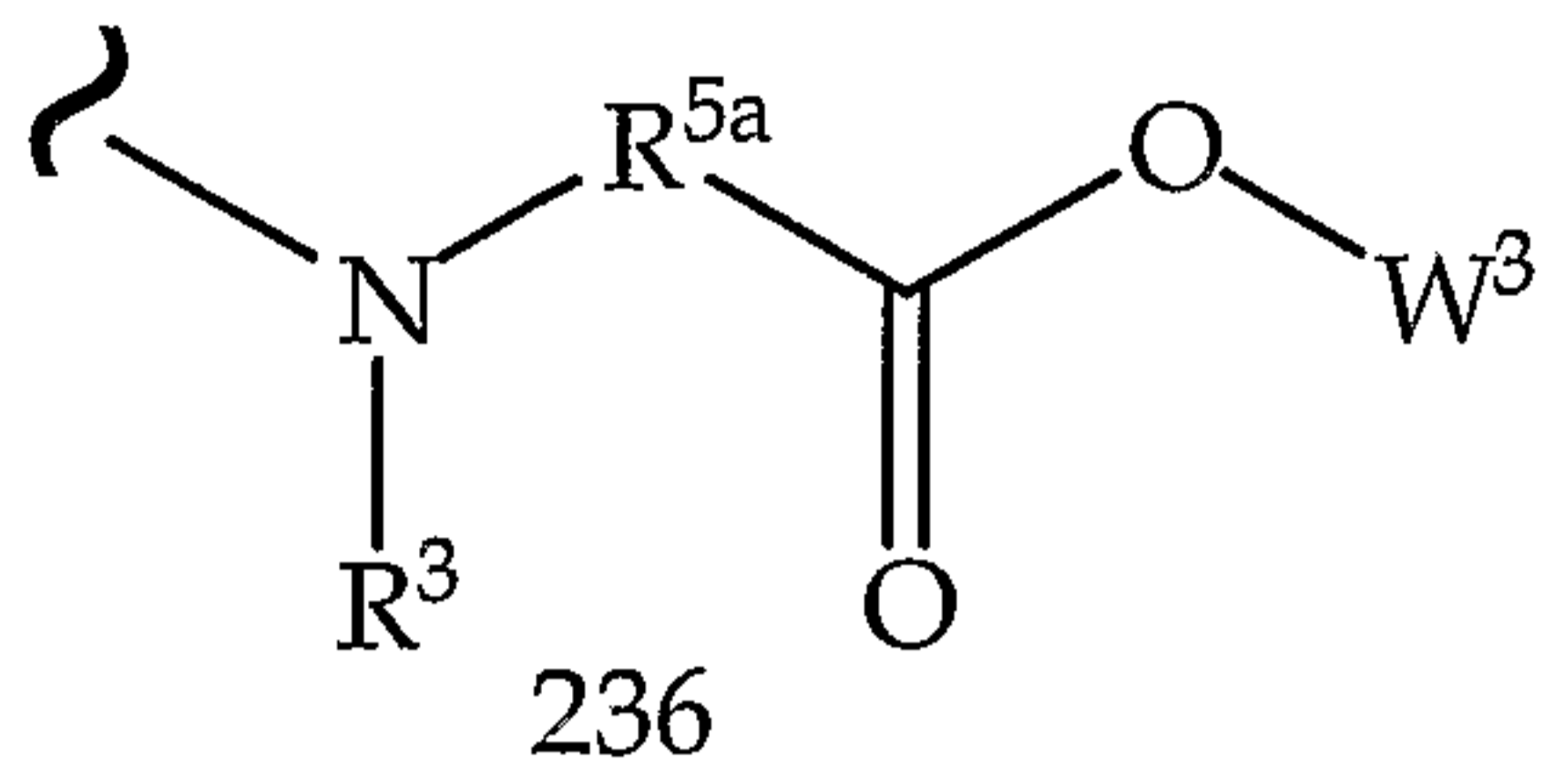
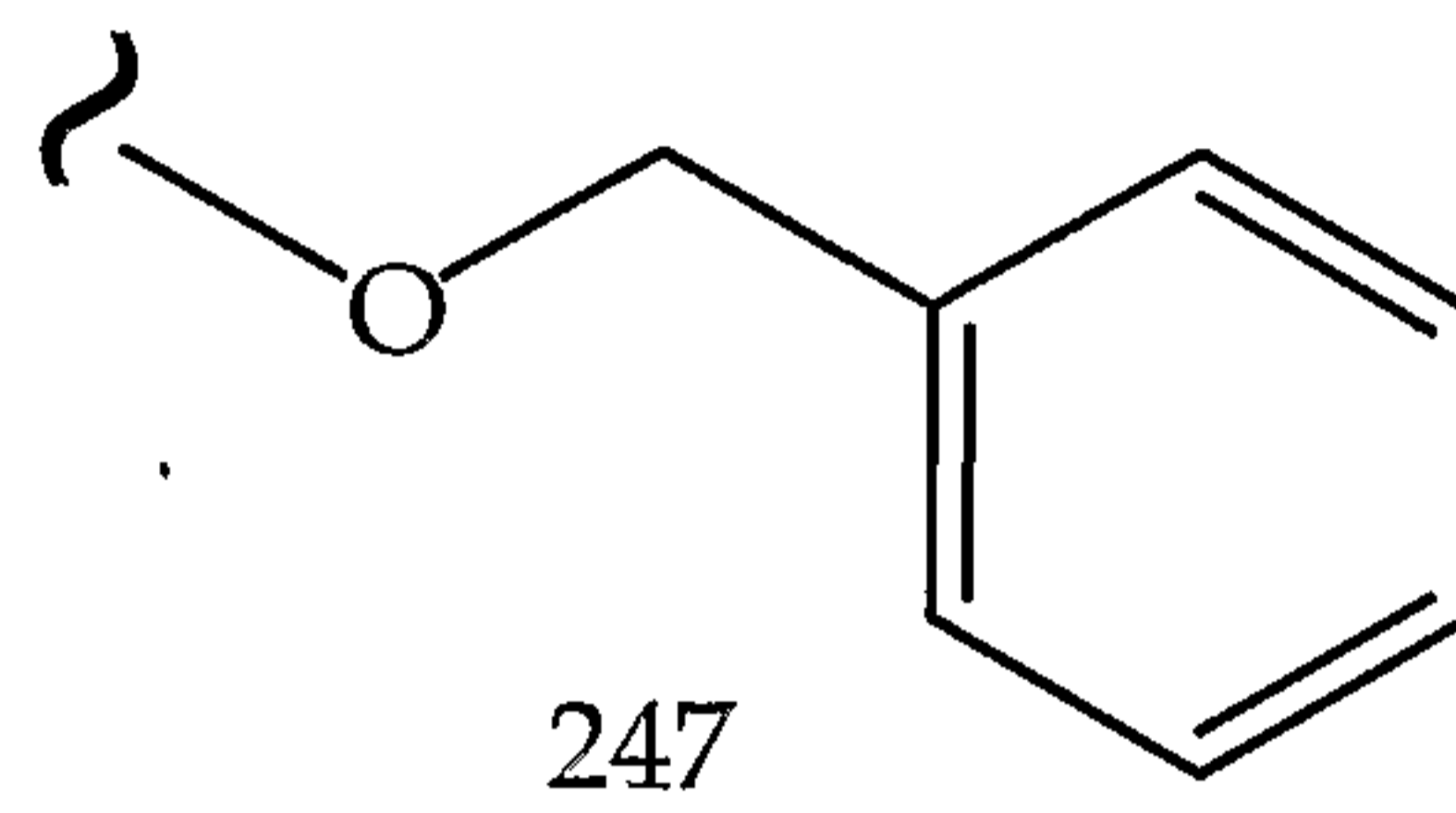
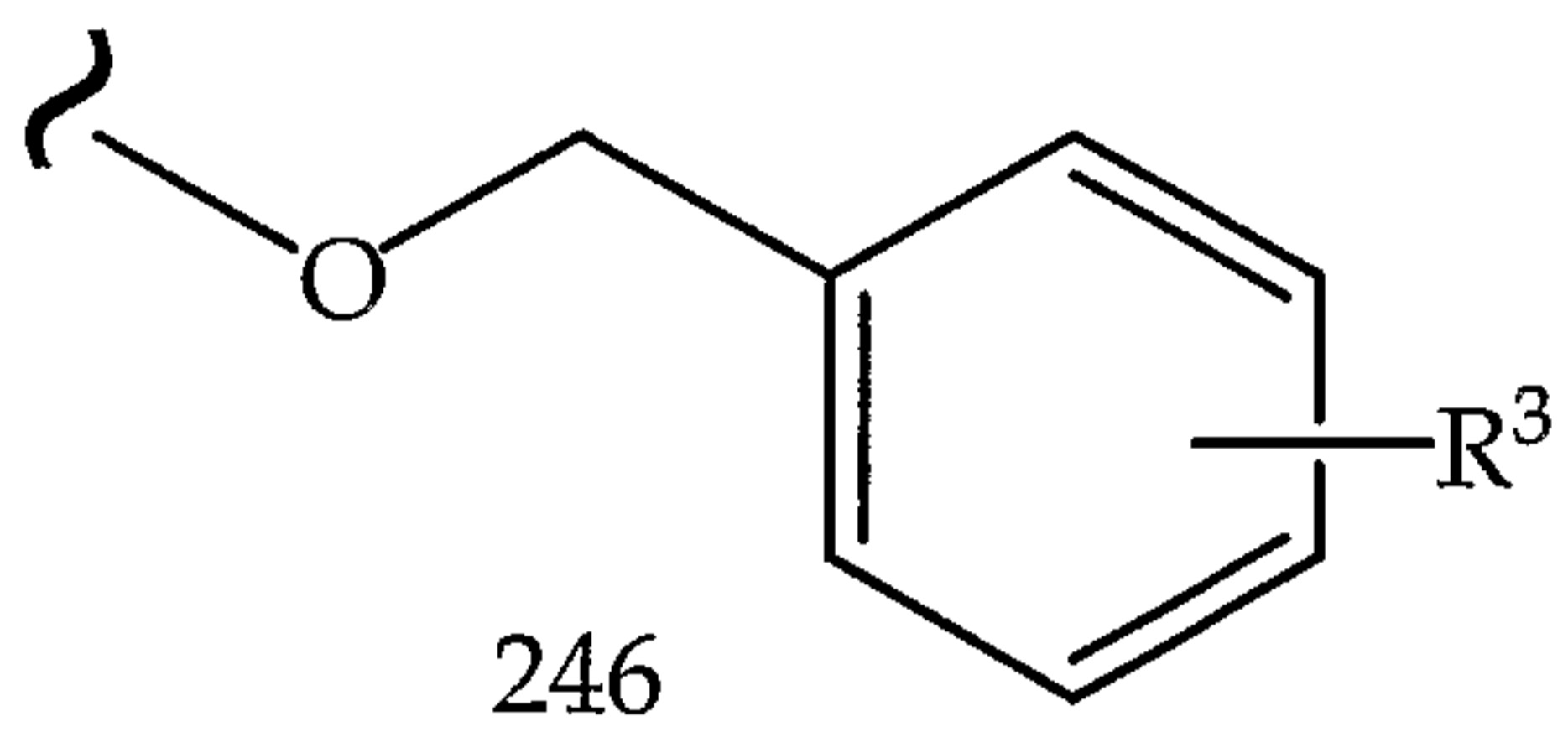
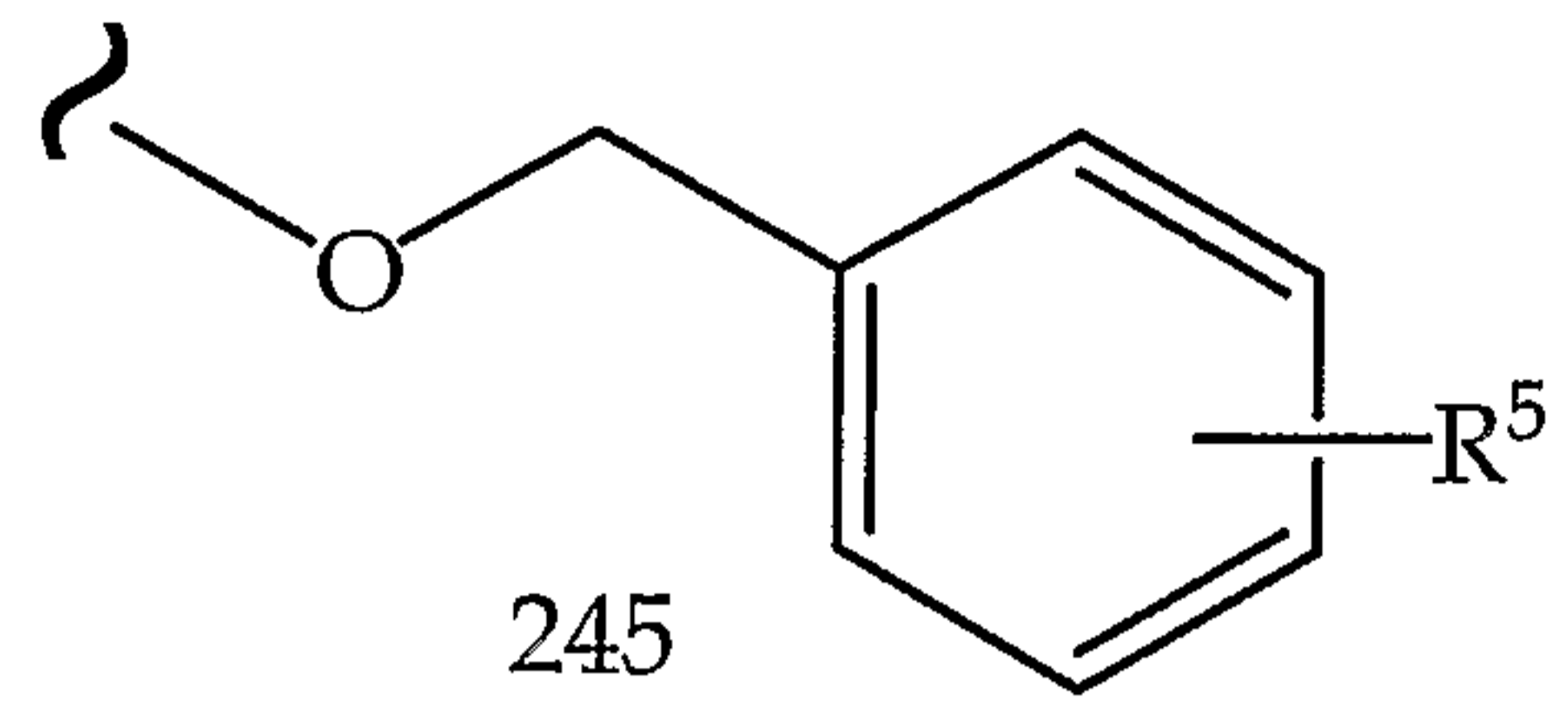
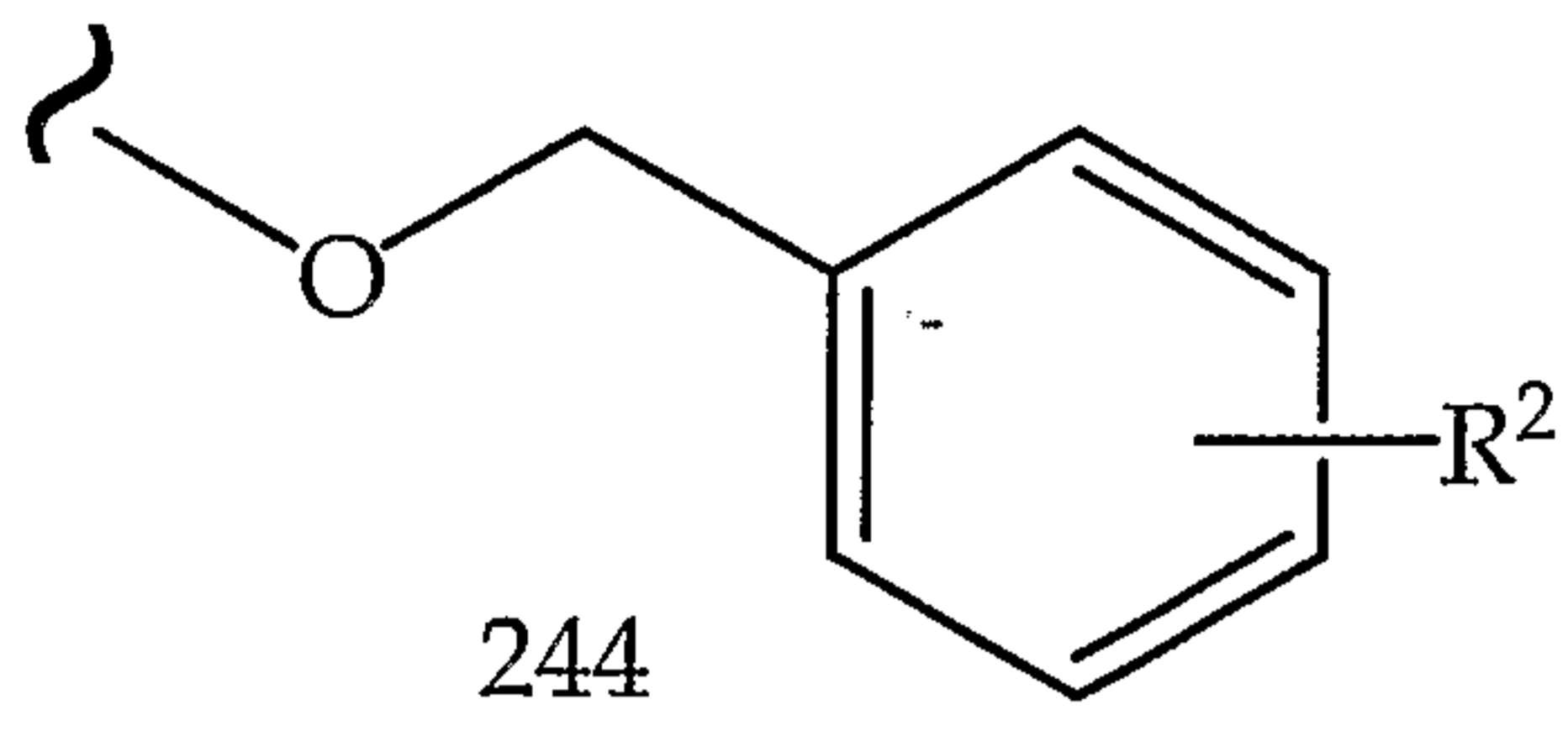


Table 20.57

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25

<u>TABLE 1.</u>	1.00.1	1.10.1	1.17.1	1.236.1	1.48.2	1.107.2	1.166.2
1.1.1	1.60.1	1.119.1	1.178.1	1.237.1	1.49.2	1.108.2	1.167.2
1.2.1	1.61.1	1.120.1	1.179.1	1.238.1	1.50.2	1.109.2	1.168.2
1.3.1	1.62.1	1.121.1	1.180.1	1.239.1	1.51.2	1.110.2	1.169.2
1.4.1	1.63.1	1.122.1	1.181.1	1.240.1	1.52.2	1.111.2	1.170.2
1.5.1	1.64.1	1.123.1	1.182.1	1.241.1	1.53.2	1.112.2	1.171.2
1.6.1	1.65.1	1.124.1	1.183.1	1.242.1	1.54.2	1.113.2	1.172.2
1.7.1	1.66.1	1.125.1	1.184.1	1.243.1	1.55.2	1.114.2	1.173.2
1.8.1	1.67.1	1.126.1	1.185.1	1.244.1	1.56.2	1.115.2	1.174.2
1.9.1	1.68.1	1.127.1	1.186.1	1.245.1	1.57.2	1.116.2	1.175.2
1.10.1	1.69.1	1.128.1	1.187.1	1.246.1	1.58.2	1.117.2	1.176.2
1.11.1	1.70.1	1.129.1	1.188.1	1.247.1	1.59.2	1.118.2	1.177.2
1.12.1	1.71.1	1.130.1	1.189.1	1.1.2	1.60.2	1.119.2	1.178.2
1.13.1	1.72.1	1.131.1	1.190.1	1.2.2	1.61.2	1.120.2	1.179.2
1.14.1	1.73.1	1.132.1	1.191.1	1.3.2	1.62.2	1.121.2	1.180.2
1.15.1	1.74.1	1.133.1	1.192.1	1.4.2	1.63.2	1.122.2	1.181.2
1.16.1	1.75.1	1.134.1	1.193.1	1.5.2	1.64.2	1.123.2	1.182.2
1.17.1	1.76.1	1.135.1	1.194.1	1.6.2	1.65.2	1.124.2	1.183.2
1.18.1	1.77.1	1.136.1	1.195.1	1.7.2	1.66.2	1.125.2	1.184.2
1.19.1	1.78.1	1.137.1	1.196.1	1.8.2	1.67.2	1.126.2	1.185.2
1.20.1	1.79.1	1.138.1	1.197.1	1.9.2	1.68.2	1.127.2	1.186.2
1.21.1	1.80.1	1.139.1	1.198.1	1.10.2	1.69.2	1.128.2	1.187.2
1.22.1	1.81.1	1.140.1	1.199.1	1.11.2	1.70.2	1.129.2	1.188.2
1.23.1	1.82.1	1.141.1	1.200.1	1.12.2	1.71.2	1.130.2	1.189.2
1.24.1	1.83.1	1.142.1	1.201.1	1.13.2	1.72.2	1.131.2	1.190.2
1.25.1	1.84.1	1.143.1	1.202.1	1.14.2	1.73.2	1.132.2	1.191.2
1.26.1	1.85.1	1.144.1	1.203.1	1.15.2	1.74.2	1.133.2	1.192.2
1.27.1	1.86.1	1.145.1	1.204.1	1.16.2	1.75.2	1.134.2	1.193.2
1.28.1	1.87.1	1.146.1	1.205.1	1.17.2	1.76.2	1.135.2	1.194.2
1.29.1	1.88.1	1.147.1	1.206.1	1.18.2	1.77.2	1.136.2	1.195.2
1.30.1	1.89.1	1.148.1	1.207.1	1.19.2	1.78.2	1.137.2	1.196.2
1.31.1	1.90.1	1.149.1	1.208.1	1.20.2	1.79.2	1.138.2	1.197.2
1.32.1	1.91.1	1.150.1	1.209.1	1.21.2	1.80.2	1.139.2	1.198.2
1.33.1	1.92.1	1.151.1	1.210.1	1.22.2	1.81.2	1.140.2	1.199.2
1.34.1	1.93.1	1.152.1	1.211.1	1.23.2	1.82.2	1.141.2	1.200.2
1.35.1	1.94.1	1.153.1	1.212.1	1.24.2	1.83.2	1.142.2	1.201.2
1.36.1	1.95.1	1.154.1	1.213.1	1.25.2	1.84.2	1.143.2	1.202.2
1.37.1	1.96.1	1.155.1	1.214.1	1.26.2	1.85.2	1.144.2	1.203.2
1.38.1	1.97.1	1.156.1	1.215.1	1.27.2	1.86.2	1.145.2	1.204.2
1.39.1	1.98.1	1.157.1	1.216.1	1.28.2	1.87.2	1.146.2	1.205.2
1.40.1	1.99.1	1.158.1	1.217.1	1.29.2	1.88.2	1.147.2	1.206.2
1.41.1	1.100.1	1.159.1	1.218.1	1.30.2	1.89.2	1.148.2	1.207.2
1.42.1	1.101.1	1.160.1	1.219.1	1.31.2	1.90.2	1.149.2	1.208.2
1.43.1	1.102.1	1.161.1	1.220.1	1.32.2	1.91.2	1.150.2	1.209.2
1.44.1	1.103.1	1.162.1	1.221.1	1.33.2	1.92.2	1.151.2	1.210.2
1.45.1	1.104.1	1.163.1	1.222.1	1.34.2	1.93.2	1.152.2	1.211.2
1.46.1	1.105.1	1.164.1	1.223.1	1.35.2	1.94.2	1.153.2	1.212.2
1.47.1	1.106.1	1.165.1	1.224.1	1.36.2	1.95.2	1.154.2	1.213.2
1.48.1	1.107.1	1.166.1	1.225.1	1.37.2	1.96.2	1.155.2	1.214.2
1.49.1	1.108.1	1.167.1	1.226.1	1.38.2	1.97.2	1.156.2	1.215.2
1.50.1	1.109.1	1.168.1	1.227.1	1.39.2	1.98.2	1.157.2	1.216.2
1.51.1	1.110.1	1.169.1	1.228.1	1.40.2	1.99.2	1.158.2	1.217.2
1.52.1	1.111.1	1.170.1	1.229.1	1.41.2	1.100.2	1.159.2	1.218.2
1.53.1	1.112.1	1.171.1	1.230.1	1.42.2	1.101.2	1.160.2	1.219.2
1.54.1	1.113.1	1.172.1	1.231.1	1.43.2	1.102.2	1.161.2	1.220.2
1.55.1	1.114.1	1.173.1	1.232.1	1.44.2	1.103.2	1.162.2	1.221.2
1.56.1	1.115.1	1.174.1	1.233.1	1.45.2	1.104.2	1.163.2	1.222.2
1.57.1	1.116.1	1.175.1	1.234.1	1.46.2	1.105.2	1.164.2	1.223.2
1.58.1	1.117.1	1.176.1	1.235.1	1.47.2	1.106.2	1.165.2	1.224.2

				1.214.3	1.26.4	1.85.4	1.144.4
1.226.2	1.38.3	1.97.3	1.156.3	1.215.3	1.27.4	1.86.4	1.145.4
1.227.2	1.39.3	1.98.3	1.157.3	1.216.3	1.28.4	1.87.4	1.146.4
1.228.2	1.40.3	1.99.3	1.158.3	1.217.3	1.29.4	1.88.4	1.147.4
1.229.2	1.41.3	1.100.3	1.159.3	1.218.3	1.30.4	1.89.4	1.148.4
1.230.2	1.42.3	1.101.3	1.160.3	1.219.3	1.31.4	1.90.4	1.149.4
1.231.2	1.43.3	1.102.3	1.161.3	1.220.3	1.32.4	1.91.4	1.150.4
1.232.2	1.44.3	1.103.3	1.162.3	1.221.3	1.33.4	1.92.4	1.151.4
1.233.2	1.45.3	1.104.3	1.163.3	1.222.3	1.34.4	1.93.4	1.152.4
1.234.2	1.46.3	1.105.3	1.164.3	1.223.3	1.35.4	1.94.4	1.153.4
1.235.2	1.47.3	1.106.3	1.165.3	1.224.3	1.36.4	1.95.4	1.154.4
1.236.2	1.48.3	1.107.3	1.166.3	1.225.3	1.37.4	1.96.4	1.155.4
1.237.2	1.49.3	1.108.3	1.167.3	1.226.3	1.38.4	1.97.4	1.156.4
1.238.2	1.50.3	1.109.3	1.168.3	1.227.3	1.39.4	1.98.4	1.157.4
1.239.2	1.51.3	1.110.3	1.169.3	1.228.3	1.40.4	1.99.4	1.158.4
1.240.2	1.52.3	1.111.3	1.170.3	1.229.3	1.41.4	1.100.4	1.159.4
1.241.2	1.53.3	1.112.3	1.171.3	1.230.3	1.42.4	1.101.4	1.160.4
1.242.2	1.54.3	1.113.3	1.172.3	1.231.3	1.43.4	1.102.4	1.161.4
1.243.2	1.55.3	1.114.3	1.173.3	1.232.3	1.44.4	1.103.4	1.162.4
1.244.2	1.56.3	1.115.3	1.174.3	1.233.3	1.45.4	1.104.4	1.163.4
1.245.2	1.57.3	1.116.3	1.175.3	1.234.3	1.46.4	1.105.4	1.164.4
1.246.2	1.58.3	1.117.3	1.176.3	1.235.3	1.47.4	1.106.4	1.165.4
1.247.2	1.59.3	1.118.3	1.177.3	1.236.3	1.48.4	1.107.4	1.166.4
1.1.3	1.60.3	1.119.3	1.178.3	1.237.3	1.49.4	1.108.4	1.167.4
1.2.3	1.61.3	1.120.3	1.179.3	1.238.3	1.50.4	1.109.4	1.168.4
1.3.3	1.62.3	1.121.3	1.180.3	1.239.3	1.51.4	1.110.4	1.169.4
1.4.3	1.63.3	1.122.3	1.181.3	1.240.3	1.52.4	1.111.4	1.170.4
1.5.3	1.64.3	1.123.3	1.182.3	1.241.3	1.53.4	1.112.4	1.171.4
1.6.3	1.65.3	1.124.3	1.183.3	1.242.3	1.54.4	1.113.4	1.172.4
1.7.3	1.66.3	1.125.3	1.184.3	1.243.3	1.55.4	1.114.4	1.173.4
1.8.3	1.67.3	1.126.3	1.185.3	1.244.3	1.56.4	1.115.4	1.174.4
1.9.3	1.68.3	1.127.3	1.186.3	1.245.3	1.57.4	1.116.4	1.175.4
1.10.3	1.69.3	1.128.3	1.187.3	1.246.3	1.58.4	1.117.4	1.176.4
1.11.3	1.70.3	1.129.3	1.188.3	1.247.3	1.59.4	1.118.4	1.177.4
1.12.3	1.71.3	1.130.3	1.189.3	1.1.4	1.60.4	1.119.4	1.178.4
1.13.3	1.72.3	1.131.3	1.190.3	1.2.4	1.61.4	1.120.4	1.179.4
1.14.3	1.73.3	1.132.3	1.191.3	1.3.4	1.62.4	1.121.4	1.180.4
1.15.3	1.74.3	1.133.3	1.192.3	1.4.4	1.63.4	1.122.4	1.181.4
1.16.3	1.75.3	1.134.3	1.193.3	1.5.4	1.64.4	1.123.4	1.182.4
1.17.3	1.76.3	1.135.3	1.194.3	1.6.4	1.65.4	1.124.4	1.183.4
1.18.3	1.77.3	1.136.3	1.195.3	1.7.4	1.66.4	1.125.4	1.184.4
1.19.3	1.78.3	1.137.3	1.196.3	1.8.4	1.67.4	1.126.4	1.185.4
1.20.3	1.79.3	1.138.3	1.197.3	1.9.4	1.68.4	1.127.4	1.186.4
1.21.3	1.80.3	1.139.3	1.198.3	1.10.4	1.69.4	1.128.4	1.187.4
1.22.3	1.81.3	1.140.3	1.199.3	1.11.4	1.70.4	1.129.4	1.188.4
1.23.3	1.82.3	1.141.3	1.200.3	1.12.4	1.71.4	1.130.4	1.189.4
1.24.3	1.83.3	1.142.3	1.201.3	1.13.4	1.72.4	1.131.4	1.190.4
1.25.3	1.84.3	1.143.3	1.202.3	1.14.4	1.73.4	1.132.4	1.191.4
1.26.3	1.85.3	1.144.3	1.203.3	1.15.4	1.74.4	1.133.4	1.192.4
1.27.3	1.86.3	1.145.3	1.204.3	1.16.4	1.75.4	1.134.4	1.193.4
1.28.3	1.87.3	1.146.3	1.205.3	1.17.4	1.76.4	1.135.4	1.194.4
1.29.3	1.88.3	1.147.3	1.206.3	1.18.4	1.77.4	1.136.4	1.195.4
1.30.3	1.89.3	1.148.3	1.207.3	1.19.4	1.78.4	1.137.4	1.196.4
1.31.3	1.90.3	1.149.3	1.208.3	1.20.4	1.79.4	1.138.4	1.197.4
1.32.3	1.91.3	1.150.3	1.209.3	1.21.4	1.80.4	1.139.4	1.198.4
1.33.3	1.92.3	1.151.3	1.210.3	1.22.4	1.81.4	1.140.4	1.199.4
1.34.3	1.93.3	1.152.3	1.211.3	1.23.4	1.82.4	1.141.4	1.200.4
1.35.3	1.94.3	1.153.3	1.212.3	1.24.4	1.83.4	1.142.4	1.201.4
1.36.3	1.95.3	1.154.3	1.213.3	1.25.4	1.84.4	1.143.4	1.202.4

1.203.4	1.15.5	1.17.5	1.135.5	1.192.5	1.4.6	1.63.6	1.122.6
1.204.4	1.16.5	1.75.5	1.134.5	1.193.5	1.5.6	1.64.6	1.123.6
1.205.4	1.17.5	1.76.5	1.135.5	1.194.5	1.6.6	1.65.6	1.124.6
1.206.4	1.18.5	1.77.5	1.136.5	1.195.5	1.7.6	1.66.6	1.125.6
1.207.4	1.19.5	1.78.5	1.137.5	1.196.5	1.8.6	1.67.6	1.126.6
1.208.4	1.20.5	1.79.5	1.138.5	1.197.5	1.9.6	1.68.6	1.127.6
1.209.4	1.21.5	1.80.5	1.139.5	1.198.5	1.10.6	1.69.6	1.128.6
1.210.4	1.22.5	1.81.5	1.140.5	1.199.5	1.11.6	1.70.6	1.129.6
1.211.4	1.23.5	1.82.5	1.141.5	1.200.5	1.12.6	1.71.6	1.130.6
1.212.4	1.24.5	1.83.5	1.142.5	1.201.5	1.13.6	1.72.6	1.131.6
1.213.4	1.25.5	1.84.5	1.143.5	1.202.5	1.14.6	1.73.6	1.132.6
1.214.4	1.26.5	1.85.5	1.144.5	1.203.5	1.15.6	1.74.6	1.133.6
1.215.4	1.27.5	1.86.5	1.145.5	1.204.5	1.16.6	1.75.6	1.134.6
1.216.4	1.28.5	1.87.5	1.146.5	1.205.5	1.17.6	1.76.6	1.135.6
1.217.4	1.29.5	1.88.5	1.147.5	1.206.5	1.18.6	1.77.6	1.136.6
1.218.4	1.30.5	1.89.5	1.148.5	1.207.5	1.19.6	1.78.6	1.137.6
1.219.4	1.31.5	1.90.5	1.149.5	1.208.5	1.20.6	1.79.6	1.138.6
1.220.4	1.32.5	1.91.5	1.150.5	1.209.5	1.21.6	1.80.6	1.139.6
1.221.4	1.33.5	1.92.5	1.151.5	1.210.5	1.22.6	1.81.6	1.140.6
1.222.4	1.34.5	1.93.5	1.152.5	1.211.5	1.23.6	1.82.6	1.141.6
1.223.4	1.35.5	1.94.5	1.153.5	1.212.5	1.24.6	1.83.6	1.142.6
1.224.4	1.36.5	1.95.5	1.154.5	1.213.5	1.25.6	1.84.6	1.143.6
1.225.4	1.37.5	1.96.5	1.155.5	1.214.5	1.26.6	1.85.6	1.144.6
1.226.4	1.38.5	1.97.5	1.156.5	1.215.5	1.27.6	1.86.6	1.145.6
1.227.4	1.39.5	1.98.5	1.157.5	1.216.5	1.28.6	1.87.6	1.146.6
1.228.4	1.40.5	1.99.5	1.158.5	1.217.5	1.29.6	1.88.6	1.147.6
1.229.4	1.41.5	1.100.5	1.159.5	1.218.5	1.30.6	1.89.6	1.148.6
1.230.4	1.42.5	1.101.5	1.160.5	1.219.5	1.31.6	1.90.6	1.149.6
1.231.4	1.43.5	1.102.5	1.161.5	1.220.5	1.32.6	1.91.6	1.150.6
1.232.4	1.44.5	1.103.5	1.162.5	1.221.5	1.33.6	1.92.6	1.151.6
1.233.4	1.45.5	1.104.5	1.163.5	1.222.5	1.34.6	1.93.6	1.152.6
1.234.4	1.46.5	1.105.5	1.164.5	1.223.5	1.35.6	1.94.6	1.153.6
1.235.4	1.47.5	1.106.5	1.165.5	1.224.5	1.36.6	1.95.6	1.154.6
1.236.4	1.48.5	1.107.5	1.166.5	1.225.5	1.37.6	1.96.6	1.155.6
1.237.4	1.49.5	1.108.5	1.167.5	1.226.5	1.38.6	1.97.6	1.156.6
1.238.4	1.50.5	1.109.5	1.168.5	1.227.5	1.39.6	1.98.6	1.157.6
1.239.4	1.51.5	1.110.5	1.169.5	1.228.5	1.40.6	1.99.6	1.158.6
1.240.4	1.52.5	1.111.5	1.170.5	1.229.5	1.41.6	1.100.6	1.159.6
1.241.4	1.53.5	1.112.5	1.171.5	1.230.5	1.42.6	1.101.6	1.160.6
1.242.4	1.54.5	1.113.5	1.172.5	1.231.5	1.43.6	1.102.6	1.161.6
1.243.4	1.55.5	1.114.5	1.173.5	1.232.5	1.44.6	1.103.6	1.162.6
1.244.4	1.56.5	1.115.5	1.174.5	1.233.5	1.45.6	1.104.6	1.163.6
1.245.4	1.57.5	1.116.5	1.175.5	1.234.5	1.46.6	1.105.6	1.164.6
1.246.4	1.58.5	1.117.5	1.176.5	1.235.5	1.47.6	1.106.6	1.165.6
1.247.4	1.59.5	1.118.5	1.177.5	1.236.5	1.48.6	1.107.6	1.166.6
1.1.5	1.60.5	1.119.5	1.178.5	1.237.5	1.49.6	1.108.6	1.167.6
1.2.5	1.61.5	1.120.5	1.179.5	1.238.5	1.50.6	1.109.6	1.168.6
1.3.5	1.62.5	1.121.5	1.180.5	1.239.5	1.51.6	1.110.6	1.169.6
1.4.5	1.63.5	1.122.5	1.181.5	1.240.5	1.52.6	1.111.6	1.170.6
1.5.5	1.64.5	1.123.5	1.182.5	1.241.5	1.53.6	1.112.6	1.171.6
1.6.5	1.65.5	1.124.5	1.183.5	1.242.5	1.54.6	1.113.6	1.172.6
1.7.5	1.66.5	1.125.5	1.184.5	1.243.5	1.55.6	1.114.6	1.173.6
1.8.5	1.67.5	1.126.5	1.185.5	1.244.5	1.56.6	1.115.6	1.174.6
1.9.5	1.68.5	1.127.5	1.186.5	1.245.5	1.57.6	1.116.6	1.175.6
1.10.5	1.69.5	1.128.5	1.187.5	1.246.5	1.58.6	1.117.6	1.176.6
1.11.5	1.70.5	1.129.5	1.188.5	1.247.5	1.59.6	1.118.6	1.177.6
1.12.5	1.71.5	1.130.5	1.189.5	1.1.6	1.60.6	1.119.6	1.178.6
1.13.5	1.72.5	1.131.5	1.190.5	1.2.6	1.61.6	1.120.6	1.179.6
1.14.5	1.73.5	1.132.5	1.191.5	1.3.6	1.62.6	1.121.6	1.180.6

1.182.6	1.241.6	1.53.7	1.112.7	1.170.7	1.229.7	1.41.8	1.100.8
1.183.6	1.242.6	1.54.7	1.113.7	1.171.7	1.230.7	1.42.8	1.101.8
1.184.6	1.243.6	1.55.7	1.114.7	1.172.7	1.231.7	1.43.8	1.102.8
1.185.6	1.244.6	1.56.7	1.115.7	1.173.7	1.232.7	1.44.8	1.103.8
1.186.6	1.245.6	1.57.7	1.116.7	1.174.7	1.233.7	1.45.8	1.104.8
1.187.6	1.246.6	1.58.7	1.117.7	1.175.7	1.234.7	1.46.8	1.105.8
1.188.6	1.247.6	1.59.7	1.118.7	1.176.7	1.235.7	1.47.8	1.106.8
1.189.6	1.1.7	1.60.7	1.119.7	1.177.7	1.236.7	1.48.8	1.107.8
1.190.6	1.2.7	1.61.7	1.120.7	1.178.7	1.237.7	1.49.8	1.108.8
1.191.6	1.3.7	1.62.7	1.121.7	1.179.7	1.238.7	1.50.8	1.109.8
1.192.6	1.4.7	1.63.7	1.122.7	1.180.7	1.239.7	1.51.8	1.110.8
1.193.6	1.5.7	1.64.7	1.123.7	1.181.7	1.240.7	1.52.8	1.111.8
1.194.6	1.6.7	1.65.7	1.124.7	1.182.7	1.241.7	1.53.8	1.112.8
1.195.6	1.7.7	1.66.7	1.125.7	1.183.7	1.242.7	1.54.8	1.113.8
1.196.6	1.8.7	1.67.7	1.126.7	1.184.7	1.243.7	1.55.8	1.114.8
1.197.6	1.9.7	1.68.7	1.127.7	1.185.7	1.244.7	1.56.8	1.115.8
1.198.6	1.10.7	1.69.7	1.128.7	1.186.7	1.245.7	1.57.8	1.116.8
1.199.6	1.11.7	1.70.7	1.129.7	1.187.7	1.246.7	1.58.8	1.117.8
1.200.6	1.12.7	1.71.7	1.130.7	1.188.7	1.247.7	1.59.8	1.118.8
1.201.6	1.13.7	1.72.7	1.131.7	1.189.7	1.1.8	1.60.8	1.119.8
1.202.6	1.14.7	1.73.7	1.132.7	1.190.7	1.2.8	1.61.8	1.120.8
1.203.6	1.15.7	1.74.7	1.133.7	1.191.7	1.3.8	1.62.8	1.121.8
1.204.6	1.16.7	1.75.7	1.134.7	1.192.7	1.4.8	1.63.8	1.122.8
1.205.6	1.17.7	1.76.7	1.135.7	1.193.7	1.5.8	1.64.8	1.123.8
1.206.6	1.18.7	1.77.7	1.136.7	1.194.7	1.6.8	1.65.8	1.124.8
1.207.6	1.19.7	1.78.7	1.137.7	1.195.7	1.7.8	1.66.8	1.125.8
1.208.6	1.20.7	1.79.7	1.138.7	1.196.7	1.8.8	1.67.8	1.126.8
1.209.6	1.21.7	1.80.7	1.139.7	1.197.7	1.9.8	1.68.8	1.127.8
1.210.6	1.22.7	1.81.7	1.140.7	1.198.7	1.10.8	1.69.8	1.128.8
1.211.6	1.23.7	1.82.7	1.141.7	1.199.7	1.11.8	1.70.8	1.129.8
1.212.6	1.24.7	1.83.7	1.142.7	1.200.7	1.12.8	1.71.8	1.130.8
1.213.6	1.25.7	1.84.7	1.143.7	1.201.7	1.13.8	1.72.8	1.131.8
1.214.6	1.26.7	1.85.7	1.144.7	1.202.7	1.14.8	1.73.8	1.132.8
1.215.6	1.27.7	1.86.7	1.145.7	1.203.7	1.15.8	1.74.8	1.133.8
1.216.6	1.28.7	1.87.7	1.146.7	1.204.7	1.16.8	1.75.8	1.134.8
1.217.6	1.29.7	1.88.7	1.147.7	1.205.7	1.17.8	1.76.8	1.135.8
1.218.6	1.30.7	1.89.7	1.148.7	1.206.7	1.18.8	1.77.8	1.136.8
1.219.6	1.31.7	1.90.7	1.149.7	1.207.7	1.19.8	1.78.8	1.137.8
1.220.6	1.32.7	1.91.7	1.150.7	1.208.7	1.20.8	1.79.8	1.138.8
1.221.6	1.33.7	1.92.7	1.151.7	1.209.7	1.21.8	1.80.8	1.139.8
1.222.6	1.34.7	1.93.7	1.152.7	1.210.7	1.22.8	1.81.8	1.140.8
1.223.6	1.35.7	1.94.7	1.153.7	1.211.7	1.23.8	1.82.8	1.141.8
1.224.6	1.36.7	1.95.7	1.154.7	1.212.7	1.24.8	1.83.8	1.142.8
1.225.6	1.37.7	1.96.7	1.155.7	1.213.7	1.25.8	1.84.8	1.143.8
1.226.6	1.38.7	1.97.7	1.156.7	1.214.7	1.26.8	1.85.8	1.144.8
1.227.6	1.39.7	1.98.7	1.157.7	1.215.7	1.27.8	1.86.8	1.145.8
1.228.6	1.40.7	1.99.7	1.158.7	1.216.7	1.28.8	1.87.8	1.146.8
1.229.6	1.41.7	1.100.7	1.159.7	1.217.7	1.29.8	1.88.8	1.147.8
1.230.6	1.42.7	1.101.7	1.160.7	1.218.7	1.30.8	1.89.8	1.148.8
1.231.6	1.43.7	1.102.7	1.161.7	1.219.7	1.31.8	1.90.8	1.149.8
1.232.6	1.44.7	1.103.7	1.162.7	1.220.7	1.32.8	1.91.8	1.150.8
1.233.6	1.45.7	1.104.7	1.163.7	1.221.7	1.33.8	1.92.8	1.151.8
1.234.6	1.46.7	1.105.7	1.164.7	1.222.7	1.34.8	1.93.8	1.152.8
1.235.6	1.47.7	1.106.7	1.165.7	1.223.7	1.35.8	1.94.8	1.153.8
1.236.6	1.48.7	1.107.7	1.166.7	1.224.7	1.36.8	1.95.8	1.154.8
1.237.6	1.49.7	1.108.7	1.167.7	1.225.7	1.37.8	1.96.8	1.155.8
1.238.6	1.50.7	1.109.7	1.168.7	1.226.7	1.38.8	1.97.8	1.156.8
1.239.6	1.51.7	1.110.7	1.169.7	1.227.7	1.39.8	1.98.8	1.157.8
				1.228.7	1.40.8	1.99.8	1.158.8

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1.159.8	1.218.8	1.30.9	1.09.9	1.148.9	1.207.9	1.19.10	1.78.10
1.160.8	1.219.8	1.31.9	1.90.9	1.149.9	1.208.9	1.20.10	1.79.10
1.161.8	1.220.8	1.32.9	1.91.9	1.150.9	1.209.9	1.21.10	1.80.10
1.162.8	1.221.8	1.33.9	1.92.9	1.151.9	1.210.9	1.22.10	1.81.10
1.163.8	1.222.8	1.34.9	1.93.9	1.152.9	1.211.9	1.23.10	1.82.10
1.164.8	1.223.8	1.35.9	1.94.9	1.153.9	1.212.9	1.24.10	1.83.10
1.165.8	1.224.8	1.36.9	1.95.9	1.154.9	1.213.9	1.25.10	1.84.10
1.166.8	1.225.8	1.37.9	1.96.9	1.155.9	1.214.9	1.26.10	1.85.10
1.167.8	1.226.8	1.38.9	1.97.9	1.156.9	1.215.9	1.27.10	1.86.10
1.168.8	1.227.8	1.39.9	1.98.9	1.157.9	1.216.9	1.28.10	1.87.10
1.169.8	1.228.8	1.40.9	1.99.9	1.158.9	1.217.9	1.29.10	1.88.10
1.170.8	1.229.8	1.41.9	1.100.9	1.159.9	1.218.9	1.30.10	1.89.10
1.171.8	1.230.8	1.42.9	1.101.9	1.160.9	1.219.9	1.31.10	1.90.10
1.172.8	1.231.8	1.43.9	1.102.9	1.161.9	1.220.9	1.32.10	1.91.10
1.173.8	1.232.8	1.44.9	1.103.9	1.162.9	1.221.9	1.33.10	1.92.10
1.174.8	1.233.8	1.45.9	1.104.9	1.163.9	1.222.9	1.34.10	1.93.10
1.175.8	1.234.8	1.46.9	1.105.9	1.164.9	1.223.9	1.35.10	1.94.10
1.176.8	1.235.8	1.47.9	1.106.9	1.165.9	1.224.9	1.36.10	1.95.10
1.177.8	1.236.8	1.48.9	1.107.9	1.166.9	1.225.9	1.37.10	1.96.10
1.178.8	1.237.8	1.49.9	1.108.9	1.167.9	1.226.9	1.38.10	1.97.10
1.179.8	1.238.8	1.50.9	1.109.9	1.168.9	1.227.9	1.39.10	1.98.10
1.180.8	1.239.8	1.51.9	1.110.9	1.169.9	1.228.9	1.40.10	1.99.10
1.181.8	1.240.8	1.52.9	1.111.9	1.170.9	1.229.9	1.41.10	1.100.10
1.182.8	1.241.8	1.53.9	1.112.9	1.171.9	1.230.9	1.42.10	1.101.10
1.183.8	1.242.8	1.54.9	1.113.9	1.172.9	1.231.9	1.43.10	1.102.10
1.184.8	1.243.8	1.55.9	1.114.9	1.173.9	1.232.9	1.44.10	1.103.10
1.185.8	1.244.8	1.56.9	1.115.9	1.174.9	1.233.9	1.45.10	1.104.10
1.186.8	1.245.8	1.57.9	1.116.9	1.175.9	1.234.9	1.46.10	1.105.10
1.187.8	1.246.8	1.58.9	1.117.9	1.176.9	1.235.9	1.47.10	1.106.10
1.188.8	1.247.8	1.59.9	1.118.9	1.177.9	1.236.9	1.48.10	1.107.10
1.189.8	1.1.9	1.60.9	1.119.9	1.178.9	1.237.9	1.49.10	1.108.10
1.190.8	1.2.9	1.61.9	1.120.9	1.179.9	1.238.9	1.50.10	1.109.10
1.191.8	1.3.9	1.62.9	1.121.9	1.180.9	1.239.9	1.51.10	1.110.10
1.192.8	1.4.9	1.63.9	1.122.9	1.181.9	1.240.9	1.52.10	1.111.10
1.193.8	1.5.9	1.64.9	1.123.9	1.182.9	1.241.9	1.53.10	1.112.10
1.194.8	1.6.9	1.65.9	1.124.9	1.183.9	1.242.9	1.54.10	1.113.10
1.195.8	1.7.9	1.66.9	1.125.9	1.184.9	1.243.9	1.55.10	1.114.10
1.196.8	1.8.9	1.67.9	1.126.9	1.185.9	1.244.9	1.56.10	1.115.10
1.197.8	1.9.9	1.68.9	1.127.9	1.186.9	1.245.9	1.57.10	1.116.10
1.198.8	1.10.9	1.69.9	1.128.9	1.187.9	1.246.9	1.58.10	1.117.10
1.199.8	1.11.9	1.70.9	1.129.9	1.188.9	1.247.9	1.59.10	1.118.10
1.200.8	1.12.9	1.71.9	1.130.9	1.189.9	1.1.10	1.60.10	1.119.10
1.201.8	1.13.9	1.72.9	1.131.9	1.190.9	1.2.10	1.61.10	1.120.10
1.202.8	1.14.9	1.73.9	1.132.9	1.191.9	1.3.10	1.62.10	1.121.10
1.203.8	1.15.9	1.74.9	1.133.9	1.192.9	1.4.10	1.63.10	1.122.10
1.204.8	1.16.9	1.75.9	1.134.9	1.193.9	1.5.10	1.64.10	1.123.10
1.205.8	1.17.9	1.76.9	1.135.9	1.194.9	1.6.10	1.65.10	1.124.10
1.206.8	1.18.9	1.77.9	1.136.9	1.195.9	1.7.10	1.66.10	1.125.10
1.207.8	1.19.9	1.78.9	1.137.9	1.196.9	1.8.10	1.67.10	1.126.10
1.208.8	1.20.9	1.79.9	1.138.9	1.197.9	1.9.10	1.68.10	1.127.10
1.209.8	1.21.9	1.80.9	1.139.9	1.198.9	1.10.10	1.69.10	1.128.10
1.210.8	1.22.9	1.81.9	1.140.9	1.199.9	1.11.10	1.70.10	1.129.10
1.211.8	1.23.9	1.82.9	1.141.9	1.200.9	1.12.10	1.71.10	1.130.10
1.212.8	1.24.9	1.83.9	1.142.9	1.201.9	1.13.10	1.72.10	1.131.10
1.213.8	1.25.9	1.84.9	1.143.9	1.202.9	1.14.10	1.73.10	1.132.10
1.214.8	1.26.9	1.85.9	1.144.9	1.203.9	1.15.10	1.74.10	1.133.10
1.215.8	1.27.9	1.86.9	1.145.9	1.204.9	1.16.10	1.75.10	1.134.10
1.216.8	1.28.9	1.87.9	1.146.9	1.205.9	1.17.10	1.76.10	1.135.10
1.217.8	1.29.9	1.88.9	1.147.9	1.206.9	1.18.10	1.77.10	1.136.10

				1.126.11	1.185.11	1.244.11	1.56.12
1.138.10	1.197.10	1.9.11	1.68.11	1.127.11	1.186.11	1.245.11	1.57.12
1.139.10	1.198.10	1.10.11	1.69.11	1.128.11	1.187.11	1.246.11	1.58.12
1.140.10	1.199.10	1.11.11	1.70.11	1.129.11	1.188.11	1.247.11	1.59.12
1.141.10	1.200.10	1.12.11	1.71.11	1.130.11	1.189.11	1.1.12	1.60.12
1.142.10	1.201.10	1.13.11	1.72.11	1.131.11	1.190.11	1.2.12	1.61.12
1.143.10	1.202.10	1.14.11	1.73.11	1.132.11	1.191.11	1.3.12	1.62.12
1.144.10	1.203.10	1.15.11	1.74.11	1.133.11	1.192.11	1.4.12	1.63.12
1.145.10	1.204.10	1.16.11	1.75.11	1.134.11	1.193.11	1.5.12	1.64.12
1.146.10	1.205.10	1.17.11	1.76.11	1.135.11	1.194.11	1.6.12	1.65.12
1.147.10	1.206.10	1.18.11	1.77.11	1.136.11	1.195.11	1.7.12	1.66.12
1.148.10	1.207.10	1.19.11	1.78.11	1.137.11	1.196.11	1.8.12	1.67.12
1.149.10	1.208.10	1.20.11	1.79.11	1.138.11	1.197.11	1.9.12	1.68.12
1.150.10	1.209.10	1.21.11	1.80.11	1.139.11	1.198.11	1.10.12	1.69.12
1.151.10	1.210.10	1.22.11	1.81.11	1.140.11	1.199.11	1.11.12	1.70.12
1.152.10	1.211.10	1.23.11	1.82.11	1.141.11	1.200.11	1.12.12	1.71.12
1.153.10	1.212.10	1.24.11	1.83.11	1.142.11	1.201.11	1.13.12	1.72.12
1.154.10	1.213.10	1.25.11	1.84.11	1.143.11	1.202.11	1.14.12	1.73.12
1.155.10	1.214.10	1.26.11	1.85.11	1.144.11	1.203.11	1.15.12	1.74.12
1.156.10	1.215.10	1.27.11	1.86.11	1.145.11	1.204.11	1.16.12	1.75.12
1.157.10	1.216.10	1.28.11	1.87.11	1.146.11	1.205.11	1.17.12	1.76.12
1.158.10	1.217.10	1.29.11	1.88.11	1.147.11	1.206.11	1.18.12	1.77.12
1.159.10	1.218.10	1.30.11	1.89.11	1.148.11	1.207.11	1.19.12	1.78.12
1.160.10	1.219.10	1.31.11	1.90.11	1.149.11	1.208.11	1.20.12	1.79.12
1.161.10	1.220.10	1.32.11	1.91.11	1.150.11	1.209.11	1.21.12	1.80.12
1.162.10	1.221.10	1.33.11	1.92.11	1.151.11	1.210.11	1.22.12	1.81.12
1.163.10	1.222.10	1.34.11	1.93.11	1.152.11	1.211.11	1.23.12	1.82.12
1.164.10	1.223.10	1.35.11	1.94.11	1.153.11	1.212.11	1.24.12	1.83.12
1.165.10	1.224.10	1.36.11	1.95.11	1.154.11	1.213.11	1.25.12	1.84.12
1.166.10	1.225.10	1.37.11	1.96.11	1.155.11	1.214.11	1.26.12	1.85.12
1.167.10	1.226.10	1.38.11	1.97.11	1.156.11	1.215.11	1.27.12	1.86.12
1.168.10	1.227.10	1.39.11	1.98.11	1.157.11	1.216.11	1.28.12	1.87.12
1.169.10	1.228.10	1.40.11	1.99.11	1.158.11	1.217.11	1.29.12	1.88.12
1.170.10	1.229.10	1.41.11	1.100.11	1.159.11	1.218.11	1.30.12	1.89.12
1.171.10	1.230.10	1.42.11	1.101.11	1.160.11	1.219.11	1.31.12	1.90.12
1.172.10	1.231.10	1.43.11	1.102.11	1.161.11	1.220.11	1.32.12	1.91.12
1.173.10	1.232.10	1.44.11	1.103.11	1.162.11	1.221.11	1.33.12	1.92.12
1.174.10	1.233.10	1.45.11	1.104.11	1.163.11	1.222.11	1.34.12	1.93.12
1.175.10	1.234.10	1.46.11	1.105.11	1.164.11	1.223.11	1.35.12	1.94.12
1.176.10	1.235.10	1.47.11	1.106.11	1.165.11	1.224.11	1.36.12	1.95.12
1.177.10	1.236.10	1.48.11	1.107.11	1.166.11	1.225.11	1.37.12	1.96.12
1.178.10	1.237.10	1.49.11	1.108.11	1.167.11	1.226.11	1.38.12	1.97.12
1.179.10	1.238.10	1.50.11	1.109.11	1.168.11	1.227.11	1.39.12	1.98.12
1.180.10	1.239.10	1.51.11	1.110.11	1.169.11	1.228.11	1.40.12	1.99.12
1.181.10	1.240.10	1.52.11	1.111.11	1.170.11	1.229.11	1.41.12	1.100.12
1.182.10	1.241.10	1.53.11	1.112.11	1.171.11	1.230.11	1.42.12	1.101.12
1.183.10	1.242.10	1.54.11	1.113.11	1.172.11	1.231.11	1.43.12	1.102.12
1.184.10	1.243.10	1.55.11	1.114.11	1.173.11	1.232.11	1.44.12	1.103.12
1.185.10	1.244.10	1.56.11	1.115.11	1.174.11	1.233.11	1.45.12	1.104.12
1.186.10	1.245.10	1.57.11	1.116.11	1.175.11	1.234.11	1.46.12	1.105.12
1.187.10	1.246.10	1.58.11	1.117.11	1.176.11	1.235.11	1.47.12	1.106.12
1.188.10	1.247.10	1.59.11	1.118.11	1.177.11	1.236.11	1.48.12	1.107.12
1.189.10	1.1.11	1.60.11	1.119.11	1.178.11	1.237.11	1.49.12	1.108.12
1.190.10	1.2.11	1.61.11	1.120.11	1.179.11	1.238.11	1.50.12	1.109.12
1.191.10	1.3.11	1.62.11	1.121.11	1.180.11	1.239.11	1.51.12	1.110.12
1.192.10	1.4.11	1.63.11	1.122.11	1.181.11	1.240.11	1.52.12	1.111.12
1.193.10	1.5.11	1.64.11	1.123.11	1.182.11	1.241.11	1.53.12	1.112.12
1.194.10	1.6.11	1.65.11	1.124.11	1.183.11	1.242.11	1.54.12	1.113.12
1.195.10	1.7.11	1.66.11	1.125.11	1.184.11	1.243.11	1.55.12	1.114.12



				1.104.13	1.163.13	1.222.13	1.34.14
1.116.12	1.175.12	1.234.12	1.46.13	1.105.13	1.164.13	1.223.13	1.35.14
1.117.12	1.176.12	1.235.12	1.47.13	1.106.13	1.165.13	1.224.13	1.36.14
1.118.12	1.177.12	1.236.12	1.48.13	1.107.13	1.166.13	1.225.13	1.37.14
1.119.12	1.178.12	1.237.12	1.49.13	1.108.13	1.167.13	1.226.13	1.38.14
1.120.12	1.179.12	1.238.12	1.50.13	1.109.13	1.168.13	1.227.13	1.39.14
1.121.12	1.180.12	1.239.12	1.51.13	1.110.13	1.169.13	1.228.13	1.40.14
1.122.12	1.181.12	1.240.12	1.52.13	1.111.13	1.170.13	1.229.13	1.41.14
1.123.12	1.182.12	1.241.12	1.53.13	1.112.13	1.171.13	1.230.13	1.42.14
1.124.12	1.183.12	1.242.12	1.54.13	1.113.13	1.172.13	1.231.13	1.43.14
1.125.12	1.184.12	1.243.12	1.55.13	1.114.13	1.173.13	1.232.13	1.44.14
1.126.12	1.185.12	1.244.12	1.56.13	1.115.13	1.174.13	1.233.13	1.45.14
1.127.12	1.186.12	1.245.12	1.57.13	1.116.13	1.175.13	1.234.13	1.46.14
1.128.12	1.187.12	1.246.12	1.58.13	1.117.13	1.176.13	1.235.13	1.47.14
1.129.12	1.188.12	1.247.12	1.59.13	1.118.13	1.177.13	1.236.13	1.48.14
1.130.12	1.189.12	1.1.13	1.60.13	1.119.13	1.178.13	1.237.13	1.49.14
1.131.12	1.190.12	1.2.13	1.61.13	1.120.13	1.179.13	1.238.13	1.50.14
1.132.12	1.191.12	1.3.13	1.62.13	1.121.13	1.180.13	1.239.13	1.51.14
1.133.12	1.192.12	1.4.13	1.63.13	1.122.13	1.181.13	1.240.13	1.52.14
1.134.12	1.193.12	1.5.13	1.64.13	1.123.13	1.182.13	1.241.13	1.53.14
1.135.12	1.194.12	1.6.13	1.65.13	1.124.13	1.183.13	1.242.13	1.54.14
1.136.12	1.195.12	1.7.13	1.66.13	1.125.13	1.184.13	1.243.13	1.55.14
1.137.12	1.196.12	1.8.13	1.67.13	1.126.13	1.185.13	1.244.13	1.56.14
1.138.12	1.197.12	1.9.13	1.68.13	1.127.13	1.186.13	1.245.13	1.57.14
1.139.12	1.198.12	1.10.13	1.69.13	1.128.13	1.187.13	1.246.13	1.58.14
1.140.12	1.199.12	1.11.13	1.70.13	1.129.13	1.188.13	1.247.13	1.59.14
1.141.12	1.200.12	1.12.13	1.71.13	1.130.13	1.189.13	1.1.14	1.60.14
1.142.12	1.201.12	1.13.13	1.72.13	1.131.13	1.190.13	1.2.14	1.61.14
1.143.12	1.202.12	1.14.13	1.73.13	1.132.13	1.191.13	1.3.14	1.62.14
1.144.12	1.203.12	1.15.13	1.74.13	1.133.13	1.192.13	1.4.14	1.63.14
1.145.12	1.204.12	1.16.13	1.75.13	1.134.13	1.193.13	1.5.14	1.64.14
1.146.12	1.205.12	1.17.13	1.76.13	1.135.13	1.194.13	1.6.14	1.65.14
1.147.12	1.206.12	1.18.13	1.77.13	1.136.13	1.195.13	1.7.14	1.66.14
1.148.12	1.207.12	1.19.13	1.78.13	1.137.13	1.196.13	1.8.14	1.67.14
1.149.12	1.208.12	1.20.13	1.79.13	1.138.13	1.197.13	1.9.14	1.68.14
1.150.12	1.209.12	1.21.13	1.80.13	1.139.13	1.198.13	1.10.14	1.69.14
1.151.12	1.210.12	1.22.13	1.81.13	1.140.13	1.199.13	1.11.14	1.70.14
1.152.12	1.211.12	1.23.13	1.82.13	1.141.13	1.200.13	1.12.14	1.71.14
1.153.12	1.212.12	1.24.13	1.83.13	1.142.13	1.201.13	1.13.14	1.72.14
1.154.12	1.213.12	1.25.13	1.84.13	1.143.13	1.202.13	1.14.14	1.73.14
1.155.12	1.214.12	1.26.13	1.85.13	1.144.13	1.203.13	1.15.14	1.74.14
1.156.12	1.215.12	1.27.13	1.86.13	1.145.13	1.204.13	1.16.14	1.75.14
1.157.12	1.216.12	1.28.13	1.87.13	1.146.13	1.205.13	1.17.14	1.76.14
1.158.12	1.217.12	1.29.13	1.88.13	1.147.13	1.206.13	1.18.14	1.77.14
1.159.12	1.218.12	1.30.13	1.89.13	1.148.13	1.207.13	1.19.14	1.78.14
1.160.12	1.219.12	1.31.13	1.90.13	1.149.13	1.208.13	1.20.14	1.79.14
1.161.12	1.220.12	1.32.13	1.91.13	1.150.13	1.209.13	1.21.14	1.80.14
1.162.12	1.221.12	1.33.13	1.92.13	1.151.13	1.210.13	1.22.14	1.81.14
1.163.12	1.222.12	1.34.13	1.93.13	1.152.13	1.211.13	1.23.14	1.82.14
1.164.12	1.223.12	1.35.13	1.94.13	1.153.13	1.212.13	1.24.14	1.83.14
1.165.12	1.224.12	1.36.13	1.95.13	1.154.13	1.213.13	1.25.14	1.84.14
1.166.12	1.225.12	1.37.13	1.96.13	1.155.13	1.214.13	1.26.14	1.85.14
1.167.12	1.226.12	1.38.13	1.97.13	1.156.13	1.215.13	1.27.14	1.86.14
1.168.12	1.227.12	1.39.13	1.98.13	1.157.13	1.216.13	1.28.14	1.87.14
1.169.12	1.228.12	1.40.13	1.99.13	1.158.13	1.217.13	1.29.14	1.88.14
1.170.12	1.229.12	1.41.13	1.100.13	1.159.13	1.218.13	1.30.14	1.89.14
1.171.12	1.230.12	1.42.13	1.101.13	1.160.13	1.219.13	1.31.14	1.90.14
1.172.12	1.231.12	1.43.13	1.102.13	1.161.13	1.220.13	1.32.14	1.91.14
1.173.12	1.232.12	1.44.13	1.103.13	1.162.13	1.221.13	1.33.14	1.92.14

				1.82.15	1.141.15	1.200.15	1.12.16
1.94.14	1.153.14	1.212.14	1.24.15	1.83.15	1.142.15	1.201.15	1.13.16
1.95.14	1.154.14	1.213.14	1.25.15	1.84.15	1.143.15	1.202.15	1.14.16
1.96.14	1.155.14	1.214.14	1.26.15	1.85.15	1.144.15	1.203.15	1.15.16
1.97.14	1.156.14	1.215.14	1.27.15	1.86.15	1.145.15	1.204.15	1.16.16
1.98.14	1.157.14	1.216.14	1.28.15	1.87.15	1.146.15	1.205.15	1.17.16
1.99.14	1.158.14	1.217.14	1.29.15	1.88.15	1.147.15	1.206.15	1.18.16
1.100.14	1.159.14	1.218.14	1.30.15	1.89.15	1.148.15	1.207.15	1.19.16
1.101.14	1.160.14	1.219.14	1.31.15	1.90.15	1.149.15	1.208.15	1.20.16
1.102.14	1.161.14	1.220.14	1.32.15	1.91.15	1.150.15	1.209.15	1.21.16
1.103.14	1.162.14	1.221.14	1.33.15	1.92.15	1.151.15	1.210.15	1.22.16
1.104.14	1.163.14	1.222.14	1.34.15	1.93.15	1.152.15	1.211.15	1.23.16
1.105.14	1.164.14	1.223.14	1.35.15	1.94.15	1.153.15	1.212.15	1.24.16
1.106.14	1.165.14	1.224.14	1.36.15	1.95.15	1.154.15	1.213.15	1.25.16
1.107.14	1.166.14	1.225.14	1.37.15	1.96.15	1.155.15	1.214.15	1.26.16
1.108.14	1.167.14	1.226.14	1.38.15	1.97.15	1.156.15	1.215.15	1.27.16
1.109.14	1.168.14	1.227.14	1.39.15	1.98.15	1.157.15	1.216.15	1.28.16
1.110.14	1.169.14	1.228.14	1.40.15	1.99.15	1.158.15	1.217.15	1.29.16
1.111.14	1.170.14	1.229.14	1.41.15	1.100.15	1.159.15	1.218.15	1.30.16
1.112.14	1.171.14	1.230.14	1.42.15	1.101.15	1.160.15	1.219.15	1.31.16
1.113.14	1.172.14	1.231.14	1.43.15	1.102.15	1.161.15	1.220.15	1.32.16
1.114.14	1.173.14	1.232.14	1.44.15	1.103.15	1.162.15	1.221.15	1.33.16
1.115.14	1.174.14	1.233.14	1.45.15	1.104.15	1.163.15	1.222.15	1.34.16
1.116.14	1.175.14	1.234.14	1.46.15	1.105.15	1.164.15	1.223.15	1.35.16
1.117.14	1.176.14	1.235.14	1.47.15	1.106.15	1.165.15	1.224.15	1.36.16
1.118.14	1.177.14	1.236.14	1.48.15	1.107.15	1.166.15	1.225.15	1.37.16
1.119.14	1.178.14	1.237.14	1.49.15	1.108.15	1.167.15	1.226.15	1.38.16
1.120.14	1.179.14	1.238.14	1.50.15	1.109.15	1.168.15	1.227.15	1.39.16
1.121.14	1.180.14	1.239.14	1.51.15	1.110.15	1.169.15	1.228.15	1.40.16
1.122.14	1.181.14	1.240.14	1.52.15	1.111.15	1.170.15	1.229.15	1.41.16
1.123.14	1.182.14	1.241.14	1.53.15	1.112.15	1.171.15	1.230.15	1.42.16
1.124.14	1.183.14	1.242.14	1.54.15	1.113.15	1.172.15	1.231.15	1.43.16
1.125.14	1.184.14	1.243.14	1.55.15	1.114.15	1.173.15	1.232.15	1.44.16
1.126.14	1.185.14	1.244.14	1.56.15	1.115.15	1.174.15	1.233.15	1.45.16
1.127.14	1.186.14	1.245.14	1.57.15	1.116.15	1.175.15	1.234.15	1.46.16
1.128.14	1.187.14	1.246.14	1.58.15	1.117.15	1.176.15	1.235.15	1.47.16
1.129.14	1.188.14	1.247.14	1.59.15	1.118.15	1.177.15	1.236.15	1.48.16
1.130.14	1.189.14	1.1.15	1.60.15	1.119.15	1.178.15	1.237.15	1.49.16
1.131.14	1.190.14	1.2.15	1.61.15	1.120.15	1.179.15	1.238.15	1.50.16
1.132.14	1.191.14	1.3.15	1.62.15	1.121.15	1.180.15	1.239.15	1.51.16
1.133.14	1.192.14	1.4.15	1.63.15	1.122.15	1.181.15	1.240.15	1.52.16
1.134.14	1.193.14	1.5.15	1.64.15	1.123.15	1.182.15	1.241.15	1.53.16
1.135.14	1.194.14	1.6.15	1.65.15	1.124.15	1.183.15	1.242.15	1.54.16
1.136.14	1.195.14	1.7.15	1.66.15	1.125.15	1.184.15	1.243.15	1.55.16
1.137.14	1.196.14	1.8.15	1.67.15	1.126.15	1.185.15	1.244.15	1.56.16
1.138.14	1.197.14	1.9.15	1.68.15	1.127.15	1.186.15	1.245.15	1.57.16
1.139.14	1.198.14	1.10.15	1.69.15	1.128.15	1.187.15	1.246.15	1.58.16
1.140.14	1.199.14	1.11.15	1.70.15	1.129.15	1.188.15	1.247.15	1.59.16
1.141.14	1.200.14	1.12.15	1.71.15	1.130.15	1.189.15	1.1.16	1.60.16
1.142.14	1.201.14	1.13.15	1.72.15	1.131.15	1.190.15	1.2.16	1.61.16
1.143.14	1.202.14	1.14.15	1.73.15	1.132.15	1.191.15	1.3.16	1.62.16
1.144.14	1.203.14	1.15.15	1.74.15	1.133.15	1.192.15	1.4.16	1.63.16
1.145.14	1.204.14	1.16.15	1.75.15	1.134.15	1.193.15	1.5.16	1.64.16
1.146.14	1.205.14	1.17.15	1.76.15	1.135.15	1.194.15	1.6.16	1.65.16
1.147.14	1.206.14	1.18.15	1.77.15	1.136.15	1.195.15	1.7.16	1.66.16
1.148.14	1.207.14	1.19.15	1.78.15	1.137.15	1.196.15	1.8.16	1.67.16
1.149.14	1.208.14	1.20.15	1.79.15	1.138.15	1.197.15	1.9.16	1.68.16
1.150.14	1.209.14	1.21.15	1.80.15	1.139.15	1.198.15	1.10.16	1.69.16
1.151.14	1.210.14	1.22.15	1.81.15	1.140.15	1.199.15	1.11.16	1.70.16

				1.60.17	1.119.17	1.178.17	1.237.17
1.72.16	1.131.16	1.190.16	1.2.17	1.61.17	1.120.17	1.179.17	1.238.17
1.73.16	1.132.16	1.191.16	1.3.17	1.62.17	1.121.17	1.180.17	1.239.17
1.74.16	1.133.16	1.192.16	1.4.17	1.63.17	1.122.17	1.181.17	1.240.17
1.75.16	1.134.16	1.193.16	1.5.17	1.64.17	1.123.17	1.182.17	1.241.17
1.76.16	1.135.16	1.194.16	1.6.17	1.65.17	1.124.17	1.183.17	1.242.17
1.77.16	1.136.16	1.195.16	1.7.17	1.66.17	1.125.17	1.184.17	1.243.17
1.78.16	1.137.16	1.196.16	1.8.17	1.67.17	1.126.17	1.185.17	1.244.17
1.79.16	1.138.16	1.197.16	1.9.17	1.68.17	1.127.17	1.186.17	1.245.17
1.80.16	1.139.16	1.198.16	1.10.17	1.69.17	1.128.17	1.187.17	1.246.17
1.81.16	1.140.16	1.199.16	1.11.17	1.70.17	1.129.17	1.188.17	1.247.17
1.82.16	1.141.16	1.200.16	1.12.17	1.71.17	1.130.17	1.189.17	1.1.18
1.83.16	1.142.16	1.201.16	1.13.17	1.72.17	1.131.17	1.190.17	1.2.18
1.84.16	1.143.16	1.202.16	1.14.17	1.73.17	1.132.17	1.191.17	1.3.18
1.85.16	1.144.16	1.203.16	1.15.17	1.74.17	1.133.17	1.192.17	1.4.18
1.86.16	1.145.16	1.204.16	1.16.17	1.75.17	1.134.17	1.193.17	1.5.18
1.87.16	1.146.16	1.205.16	1.17.17	1.76.17	1.135.17	1.194.17	1.6.18
1.88.16	1.147.16	1.206.16	1.18.17	1.77.17	1.136.17	1.195.17	1.7.18
1.89.16	1.148.16	1.207.16	1.19.17	1.78.17	1.137.17	1.196.17	1.8.18
1.90.16	1.149.16	1.208.16	1.20.17	1.79.17	1.138.17	1.197.17	1.9.18
1.91.16	1.150.16	1.209.16	1.21.17	1.80.17	1.139.17	1.198.17	1.10.18
1.92.16	1.151.16	1.210.16	1.22.17	1.81.17	1.140.17	1.199.17	1.11.18
1.93.16	1.152.16	1.211.16	1.23.17	1.82.17	1.141.17	1.200.17	1.12.18
1.94.16	1.153.16	1.212.16	1.24.17	1.83.17	1.142.17	1.201.17	1.13.18
1.95.16	1.154.16	1.213.16	1.25.17	1.84.17	1.143.17	1.202.17	1.14.18
1.96.16	1.155.16	1.214.16	1.26.17	1.85.17	1.144.17	1.203.17	1.15.18
1.97.16	1.156.16	1.215.16	1.27.17	1.86.17	1.145.17	1.204.17	1.16.18
1.98.16	1.157.16	1.216.16	1.28.17	1.87.17	1.146.17	1.205.17	1.17.18
1.99.16	1.158.16	1.217.16	1.29.17	1.88.17	1.147.17	1.206.17	1.18.18
1.100.16	1.159.16	1.218.16	1.30.17	1.89.17	1.148.17	1.207.17	1.19.18
1.101.16	1.160.16	1.219.16	1.31.17	1.90.17	1.149.17	1.208.17	1.20.18
1.102.16	1.161.16	1.220.16	1.32.17	1.91.17	1.150.17	1.209.17	1.21.18
1.103.16	1.162.16	1.221.16	1.33.17	1.92.17	1.151.17	1.210.17	1.22.18
1.104.16	1.163.16	1.222.16	1.34.17	1.93.17	1.152.17	1.211.17	1.23.18
1.105.16	1.164.16	1.223.16	1.35.17	1.94.17	1.153.17	1.212.17	1.24.18
1.106.16	1.165.16	1.224.16	1.36.17	1.95.17	1.154.17	1.213.17	1.25.18
1.107.16	1.166.16	1.225.16	1.37.17	1.96.17	1.155.17	1.214.17	1.26.18
1.108.16	1.167.16	1.226.16	1.38.17	1.97.17	1.156.17	1.215.17	1.27.18
1.109.16	1.168.16	1.227.16	1.39.17	1.98.17	1.157.17	1.216.17	1.28.18
1.110.16	1.169.16	1.228.16	1.40.17	1.99.17	1.158.17	1.217.17	1.29.18
1.111.16	1.170.16	1.229.16	1.41.17	1.100.17	1.159.17	1.218.17	1.30.18
1.112.16	1.171.16	1.230.16	1.42.17	1.101.17	1.160.17	1.219.17	1.31.18
1.113.16	1.172.16	1.231.16	1.43.17	1.102.17	1.161.17	1.220.17	1.32.18
1.114.16	1.173.16	1.232.16	1.44.17	1.103.17	1.162.17	1.221.17	1.33.18
1.115.16	1.174.16	1.233.16	1.45.17	1.104.17	1.163.17	1.222.17	1.34.18
1.116.16	1.175.16	1.234.16	1.46.17	1.105.17	1.164.17	1.223.17	1.35.18
1.117.16	1.176.16	1.235.16	1.47.17	1.106.17	1.165.17	1.224.17	1.36.18
1.118.16	1.177.16	1.236.16	1.48.17	1.107.17	1.166.17	1.225.17	1.37.18
1.119.16	1.178.16	1.237.16	1.49.17	1.108.17	1.167.17	1.226.17	1.38.18
1.120.16	1.179.16	1.238.16	1.50.17	1.109.17	1.168.17	1.227.17	1.39.18
1.121.16	1.180.16	1.239.16	1.51.17	1.110.17	1.169.17	1.228.17	1.40.18
1.122.16	1.181.16	1.240.16	1.52.17	1.111.17	1.170.17	1.229.17	1.41.18
1.123.16	1.182.16	1.241.16	1.53.17	1.112.17	1.171.17	1.230.17	1.42.18
1.124.16	1.183.16	1.242.16	1.54.17	1.113.17	1.172.17	1.231.17	1.43.18
1.125.16	1.184.16	1.243.16	1.55.17	1.114.17	1.173.17	1.232.17	1.44.18
1.126.16	1.185.16	1.244.16	1.56.17	1.115.17	1.174.17	1.233.17	1.45.18
1.127.16	1.186.16	1.245.16	1.57.17	1.116.17	1.175.17	1.234.17	1.46.18
1.128.16	1.187.16	1.246.16	1.58.17	1.117.17	1.176.17	1.235.17	1.47.18
1.129.16	1.188.16	1.247.16	1.59.17	1.118.17	1.177.17	1.236.17	1.48.18

				1.38.19	1.97.19	1.156.19	1.215.19
1.50.18	1.109.18	1.168.18	1.227.18	1.39.19	1.98.19	1.157.19	1.216.19
1.51.18	1.110.18	1.169.18	1.228.18	1.40.19	1.99.19	1.158.19	1.217.19
1.52.18	1.111.18	1.170.18	1.229.18	1.41.19	1.100.19	1.159.19	1.218.19
1.53.18	1.112.18	1.171.18	1.230.18	1.42.19	1.101.19	1.160.19	1.219.19
1.54.18	1.113.18	1.172.18	1.231.18	1.43.19	1.102.19	1.161.19	1.220.19
1.55.18	1.114.18	1.173.18	1.232.18	1.44.19	1.103.19	1.162.19	1.221.19
1.56.18	1.115.18	1.174.18	1.233.18	1.45.19	1.104.19	1.163.19	1.222.19
1.57.18	1.116.18	1.175.18	1.234.18	1.46.19	1.105.19	1.164.19	1.223.19
1.58.18	1.117.18	1.176.18	1.235.18	1.47.19	1.106.19	1.165.19	1.224.19
1.59.18	1.118.18	1.177.18	1.236.18	1.48.19	1.107.19	1.166.19	1.225.19
1.60.18	1.119.18	1.178.18	1.237.18	1.49.19	1.108.19	1.167.19	1.226.19
1.61.18	1.120.18	1.179.18	1.238.18	1.50.19	1.109.19	1.168.19	1.227.19
1.62.18	1.121.18	1.180.18	1.239.18	1.51.19	1.110.19	1.169.19	1.228.19
1.63.18	1.122.18	1.181.18	1.240.18	1.52.19	1.111.19	1.170.19	1.229.19
1.64.18	1.123.18	1.182.18	1.241.18	1.53.19	1.112.19	1.171.19	1.230.19
1.65.18	1.124.18	1.183.18	1.242.18	1.54.19	1.113.19	1.172.19	1.231.19
1.66.18	1.125.18	1.184.18	1.243.18	1.55.19	1.114.19	1.173.19	1.232.19
1.67.18	1.126.18	1.185.18	1.244.18	1.56.19	1.115.19	1.174.19	1.233.19
1.68.18	1.127.18	1.186.18	1.245.18	1.57.19	1.116.19	1.175.19	1.234.19
1.69.18	1.128.18	1.187.18	1.246.18	1.58.19	1.117.19	1.176.19	1.235.19
1.70.18	1.129.18	1.188.18	1.247.18	1.59.19	1.118.19	1.177.19	1.236.19
1.71.18	1.130.18	1.189.18	1.1.19	1.60.19	1.119.19	1.178.19	1.237.19
1.72.18	1.131.18	1.190.18	1.2.19	1.61.19	1.120.19	1.179.19	1.238.19
1.73.18	1.132.18	1.191.18	1.3.19	1.62.19	1.121.19	1.180.19	1.239.19
1.74.18	1.133.18	1.192.18	1.4.19	1.63.19	1.122.19	1.181.19	1.240.19
1.75.18	1.134.18	1.193.18	1.5.19	1.64.19	1.123.19	1.182.19	1.241.19
1.76.18	1.135.18	1.194.18	1.6.19	1.65.19	1.124.19	1.183.19	1.242.19
1.77.18	1.136.18	1.195.18	1.7.19	1.66.19	1.125.19	1.184.19	1.243.19
1.78.18	1.137.18	1.196.18	1.8.19	1.67.19	1.126.19	1.185.19	1.244.19
1.79.18	1.138.18	1.197.18	1.9.19	1.68.19	1.127.19	1.186.19	1.245.19
1.80.18	1.139.18	1.198.18	1.10.19	1.69.19	1.128.19	1.187.19	1.246.19
1.81.18	1.140.18	1.199.18	1.11.19	1.70.19	1.129.19	1.188.19	1.247.19
1.82.18	1.141.18	1.200.18	1.12.19	1.71.19	1.130.19	1.189.19	1.1.20
1.83.18	1.142.18	1.201.18	1.13.19	1.72.19	1.131.19	1.190.19	1.2.20
1.84.18	1.143.18	1.202.18	1.14.19	1.73.19	1.132.19	1.191.19	1.3.20
1.85.18	1.144.18	1.203.18	1.15.19	1.74.19	1.133.19	1.192.19	1.4.20
1.86.18	1.145.18	1.204.18	1.16.19	1.75.19	1.134.19	1.193.19	1.5.20
1.87.18	1.146.18	1.205.18	1.17.19	1.76.19	1.135.19	1.194.19	1.6.20
1.88.18	1.147.18	1.206.18	1.18.19	1.77.19	1.136.19	1.195.19	1.7.20
1.89.18	1.148.18	1.207.18	1.19.19	1.78.19	1.137.19	1.196.19	1.8.20
1.90.18	1.149.18	1.208.18	1.20.19	1.79.19	1.138.19	1.197.19	1.9.20
1.91.18	1.150.18	1.209.18	1.21.19	1.80.19	1.139.19	1.198.19	1.10.20
1.92.18	1.151.18	1.210.18	1.22.19	1.81.19	1.140.19	1.199.19	1.11.20
1.93.18	1.152.18	1.211.18	1.23.19	1.82.19	1.141.19	1.200.19	1.12.20
1.94.18	1.153.18	1.212.18	1.24.19	1.83.19	1.142.19	1.201.19	1.13.20
1.95.18	1.154.18	1.213.18	1.25.19	1.84.19	1.143.19	1.202.19	1.14.20
1.96.18	1.155.18	1.214.18	1.26.19	1.85.19	1.144.19	1.203.19	1.15.20
1.97.18	1.156.18	1.215.18	1.27.19	1.86.19	1.145.19	1.204.19	1.16.20
1.98.18	1.157.18	1.216.18	1.28.19	1.87.19	1.146.19	1.205.19	1.17.20
1.99.18	1.158.18	1.217.18	1.29.19	1.88.19	1.147.19	1.206.19	1.18.20
1.100.18	1.159.18	1.218.18	1.30.19	1.89.19	1.148.19	1.207.19	1.19.20
1.101.18	1.160.18	1.219.18	1.31.19	1.90.19	1.149.19	1.208.19	1.20.20
1.102.18	1.161.18	1.220.18	1.32.19	1.91.19	1.150.19	1.209.19	1.21.20
1.103.18	1.162.18	1.221.18	1.33.19	1.92.19	1.151.19	1.210.19	1.22.20
1.104.18	1.163.18	1.222.18	1.34.19	1.93.19	1.152.19	1.211.19	1.23.20
1.105.18	1.164.18	1.223.18	1.35.19	1.94.19	1.153.19	1.212.19	1.24.20
1.106.18	1.165.18	1.224.18	1.36.19	1.95.19	1.154.19	1.213.19	1.25.20
1.107.18	1.166.18	1.225.18	1.37.19	1.96.19	1.155.19	1.214.19	1.26.20

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1.28.20	1.87.20	1.146.20	1.205.20	1.16.21	1.75.21	1.134.21	1.193.21
1.29.20	1.88.20	1.147.20	1.206.20	1.17.21	1.76.21	1.135.21	1.194.21
1.30.20	1.89.20	1.148.20	1.207.20	1.18.21	1.77.21	1.136.21	1.195.21
1.31.20	1.90.20	1.149.20	1.208.20	1.19.21	1.78.21	1.137.21	1.196.21
1.32.20	1.91.20	1.150.20	1.209.20	1.20.21	1.79.21	1.138.21	1.197.21
1.33.20	1.92.20	1.151.20	1.210.20	1.21.21	1.80.21	1.139.21	1.198.21
1.34.20	1.93.20	1.152.20	1.211.20	1.22.21	1.81.21	1.140.21	1.199.21
1.35.20	1.94.20	1.153.20	1.212.20	1.23.21	1.82.21	1.141.21	1.200.21
1.36.20	1.95.20	1.154.20	1.213.20	1.24.21	1.83.21	1.142.21	1.201.21
1.37.20	1.96.20	1.155.20	1.214.20	1.25.21	1.84.21	1.143.21	1.202.21
1.38.20	1.97.20	1.156.20	1.215.20	1.26.21	1.85.21	1.144.21	1.203.21
1.39.20	1.98.20	1.157.20	1.216.20	1.27.21	1.86.21	1.145.21	1.204.21
1.40.20	1.99.20	1.158.20	1.217.20	1.28.21	1.87.21	1.146.21	1.205.21
1.41.20	1.100.20	1.159.20	1.218.20	1.29.21	1.88.21	1.147.21	1.206.21
1.42.20	1.101.20	1.160.20	1.219.20	1.30.21	1.89.21	1.148.21	1.207.21
1.43.20	1.102.20	1.161.20	1.220.20	1.31.21	1.90.21	1.149.21	1.208.21
1.44.20	1.103.20	1.162.20	1.221.20	1.32.21	1.91.21	1.150.21	1.209.21
1.45.20	1.104.20	1.163.20	1.222.20	1.33.21	1.92.21	1.151.21	1.210.21
1.46.20	1.105.20	1.164.20	1.223.20	1.34.21	1.93.21	1.152.21	1.211.21
1.47.20	1.106.20	1.165.20	1.224.20	1.35.21	1.94.21	1.153.21	1.212.21
1.48.20	1.107.20	1.166.20	1.225.20	1.36.21	1.95.21	1.154.21	1.213.21
1.49.20	1.108.20	1.167.20	1.226.20	1.37.21	1.96.21	1.155.21	1.214.21
1.50.20	1.109.20	1.168.20	1.227.20	1.38.21	1.97.21	1.156.21	1.215.21
1.51.20	1.110.20	1.169.20	1.228.20	1.39.21	1.98.21	1.157.21	1.216.21
1.52.20	1.111.20	1.170.20	1.229.20	1.40.21	1.99.21	1.158.21	1.217.21
1.53.20	1.112.20	1.171.20	1.230.20	1.41.21	1.100.21	1.159.21	1.218.21
1.54.20	1.113.20	1.172.20	1.231.20	1.42.21	1.101.21	1.160.21	1.219.21
1.55.20	1.114.20	1.173.20	1.232.20	1.43.21	1.102.21	1.161.21	1.220.21
1.56.20	1.115.20	1.174.20	1.233.20	1.44.21	1.103.21	1.162.21	1.221.21
1.57.20	1.116.20	1.175.20	1.234.20	1.45.21	1.104.21	1.163.21	1.222.21
1.58.20	1.117.20	1.176.20	1.235.20	1.46.21	1.105.21	1.164.21	1.223.21
1.59.20	1.118.20	1.177.20	1.236.20	1.47.21	1.106.21	1.165.21	1.224.21
1.60.20	1.119.20	1.178.20	1.237.20	1.48.21	1.107.21	1.166.21	1.225.21
1.61.20	1.120.20	1.179.20	1.238.20	1.49.21	1.108.21	1.167.21	1.226.21
1.62.20	1.121.20	1.180.20	1.239.20	1.50.21	1.109.21	1.168.21	1.227.21
1.63.20	1.122.20	1.181.20	1.240.20	1.51.21	1.110.21	1.169.21	1.228.21
1.64.20	1.123.20	1.182.20	1.241.20	1.52.21	1.111.21	1.170.21	1.229.21
1.65.20	1.124.20	1.183.20	1.242.20	1.53.21	1.112.21	1.171.21	1.230.21
1.66.20	1.125.20	1.184.20	1.243.20	1.54.21	1.113.21	1.172.21	1.231.21
1.67.20	1.126.20	1.185.20	1.244.20	1.55.21	1.114.21	1.173.21	1.232.21
1.68.20	1.127.20	1.186.20	1.245.20	1.56.21	1.115.21	1.174.21	1.233.21
1.69.20	1.128.20	1.187.20	1.246.20	1.57.21	1.116.21	1.175.21	1.234.21
1.70.20	1.129.20	1.188.20	1.247.20	1.58.21	1.117.21	1.176.21	1.235.21
1.71.20	1.130.20	1.189.20	1.1.21	1.59.21	1.118.21	1.177.21	1.236.21
1.72.20	1.131.20	1.190.20	1.2.21	1.60.21	1.119.21	1.178.21	1.237.21
1.73.20	1.132.20	1.191.20	1.3.21	1.61.21	1.120.21	1.179.21	1.238.21
1.74.20	1.133.20	1.192.20	1.4.21	1.62.21	1.121.21	1.180.21	1.239.21
1.75.20	1.134.20	1.193.20	1.5.21	1.63.21	1.122.21	1.181.21	1.240.21
1.76.20	1.135.20	1.194.20	1.6.21	1.64.21	1.123.21	1.182.21	1.241.21
1.77.20	1.136.20	1.195.20	1.7.21	1.65.21	1.124.21	1.183.21	1.242.21
1.78.20	1.137.20	1.196.20	1.8.21	1.66.21	1.125.21	1.184.21	1.243.21
1.79.20	1.138.20	1.197.20	1.9.21	1.67.21	1.126.21	1.185.21	1.244.21
1.80.20	1.139.20	1.198.20	1.10.21	1.68.21	1.127.21	1.186.21	1.245.21
1.81.20	1.140.20	1.199.20	1.11.21	1.69.21	1.128.21	1.187.21	1.246.21
1.82.20	1.141.20	1.200.20	1.12.21	1.70.21	1.129.21	1.188.21	1.247.21
1.83.20	1.142.20	1.201.20	1.13.21	1.71.21	1.130.21	1.189.21	1.1.22
1.84.20	1.143.20	1.202.20	1.14.21	1.72.21	1.131.21	1.190.21	1.2.22
1.85.20	1.144.20	1.203.20	1.15.21	1.73.21	1.132.21	1.191.21	1.3.22
				1.74.21	1.133.21	1.192.21	1.4.22

				1.241.22	1.53.23	1.112.23	1.171.23
1.6.22	1.65.22	1.124.22	1.183.22	1.242.22	1.54.23	1.113.23	1.172.23
1.7.22	1.66.22	1.125.22	1.184.22	1.243.22	1.55.23	1.114.23	1.173.23
1.8.22	1.67.22	1.126.22	1.185.22	1.244.22	1.56.23	1.115.23	1.174.23
1.9.22	1.68.22	1.127.22	1.186.22	1.245.22	1.57.23	1.116.23	1.175.23
1.10.22	1.69.22	1.128.22	1.187.22	1.246.22	1.58.23	1.117.23	1.176.23
1.11.22	1.70.22	1.129.22	1.188.22	1.247.22	1.59.23	1.118.23	1.177.23
1.12.22	1.71.22	1.130.22	1.189.22	1.1.23	1.60.23	1.119.23	1.178.23
1.13.22	1.72.22	1.131.22	1.190.22	1.2.23	1.61.23	1.120.23	1.179.23
1.14.22	1.73.22	1.132.22	1.191.22	1.3.23	1.62.23	1.121.23	1.180.23
1.15.22	1.74.22	1.133.22	1.192.22	1.4.23	1.63.23	1.122.23	1.181.23
1.16.22	1.75.22	1.134.22	1.193.22	1.5.23	1.64.23	1.123.23	1.182.23
1.17.22	1.76.22	1.135.22	1.194.22	1.6.23	1.65.23	1.124.23	1.183.23
1.18.22	1.77.22	1.136.22	1.195.22	1.7.23	1.66.23	1.125.23	1.184.23
1.19.22	1.78.22	1.137.22	1.196.22	1.8.23	1.67.23	1.126.23	1.185.23
1.20.22	1.79.22	1.138.22	1.197.22	1.9.23	1.68.23	1.127.23	1.186.23
1.21.22	1.80.22	1.139.22	1.198.22	1.10.23	1.69.23	1.128.23	1.187.23
1.22.22	1.81.22	1.140.22	1.199.22	1.11.23	1.70.23	1.129.23	1.188.23
1.23.22	1.82.22	1.141.22	1.200.22	1.12.23	1.71.23	1.130.23	1.189.23
1.24.22	1.83.22	1.142.22	1.201.22	1.13.23	1.72.23	1.131.23	1.190.23
1.25.22	1.84.22	1.143.22	1.202.22	1.14.23	1.73.23	1.132.23	1.191.23
1.26.22	1.85.22	1.144.22	1.203.22	1.15.23	1.74.23	1.133.23	1.192.23
1.27.22	1.86.22	1.145.22	1.204.22	1.16.23	1.75.23	1.134.23	1.193.23
1.28.22	1.87.22	1.146.22	1.205.22	1.17.23	1.76.23	1.135.23	1.194.23
1.29.22	1.88.22	1.147.22	1.206.22	1.18.23	1.77.23	1.136.23	1.195.23
1.30.22	1.89.22	1.148.22	1.207.22	1.19.23	1.78.23	1.137.23	1.196.23
1.31.22	1.90.22	1.149.22	1.208.22	1.20.23	1.79.23	1.138.23	1.197.23
1.32.22	1.91.22	1.150.22	1.209.22	1.21.23	1.80.23	1.139.23	1.198.23
1.33.22	1.92.22	1.151.22	1.210.22	1.22.23	1.81.23	1.140.23	1.199.23
1.34.22	1.93.22	1.152.22	1.211.22	1.23.23	1.82.23	1.141.23	1.200.23
1.35.22	1.94.22	1.153.22	1.212.22	1.24.23	1.83.23	1.142.23	1.201.23
1.36.22	1.95.22	1.154.22	1.213.22	1.25.23	1.84.23	1.143.23	1.202.23
1.37.22	1.96.22	1.155.22	1.214.22	1.26.23	1.85.23	1.144.23	1.203.23
1.38.22	1.97.22	1.156.22	1.215.22	1.27.23	1.86.23	1.145.23	1.204.23
1.39.22	1.98.22	1.157.22	1.216.22	1.28.23	1.87.23	1.146.23	1.205.23
1.40.22	1.99.22	1.158.22	1.217.22	1.29.23	1.88.23	1.147.23	1.206.23
1.41.22	1.100.22	1.159.22	1.218.22	1.30.23	1.89.23	1.148.23	1.207.23
1.42.22	1.101.22	1.160.22	1.219.22	1.31.23	1.90.23	1.149.23	1.208.23
1.43.22	1.102.22	1.161.22	1.220.22	1.32.23	1.91.23	1.150.23	1.209.23
1.44.22	1.103.22	1.162.22	1.221.22	1.33.23	1.92.23	1.151.23	1.210.23
1.45.22	1.104.22	1.163.22	1.222.22	1.34.23	1.93.23	1.152.23	1.211.23
1.46.22	1.105.22	1.164.22	1.223.22	1.35.23	1.94.23	1.153.23	1.212.23
1.47.22	1.106.22	1.165.22	1.224.22	1.36.23	1.95.23	1.154.23	1.213.23
1.48.22	1.107.22	1.166.22	1.225.22	1.37.23	1.96.23	1.155.23	1.214.23
1.49.22	1.108.22	1.167.22	1.226.22	1.38.23	1.97.23	1.156.23	1.215.23
1.50.22	1.109.22	1.168.22	1.227.22	1.39.23	1.98.23	1.157.23	1.216.23
1.51.22	1.110.22	1.169.22	1.228.22	1.40.23	1.99.23	1.158.23	1.217.23
1.52.22	1.111.22	1.170.22	1.229.22	1.41.23	1.100.23	1.159.23	1.218.23
1.53.22	1.112.22	1.171.22	1.230.22	1.42.23	1.101.23	1.160.23	1.219.23
1.54.22	1.113.22	1.172.22	1.231.22	1.43.23	1.102.23	1.161.23	1.220.23
1.55.22	1.114.22	1.173.22	1.232.22	1.44.23	1.103.23	1.162.23	1.221.23
1.56.22	1.115.22	1.174.22	1.233.22	1.45.23	1.104.23	1.163.23	1.222.23
1.57.22	1.116.22	1.175.22	1.234.22	1.46.23	1.105.23	1.164.23	1.223.23
1.58.22	1.117.22	1.176.22	1.235.22	1.47.23	1.106.23	1.165.23	1.224.23
1.59.22	1.118.22	1.177.22	1.236.22	1.48.23	1.107.23	1.166.23	1.225.23
1.60.22	1.119.22	1.178.22	1.237.22	1.49.23	1.108.23	1.167.23	1.226.23
1.61.22	1.120.22	1.179.22	1.238.22	1.50.23	1.109.23	1.168.23	1.227.23
1.62.22	1.121.22	1.180.22	1.239.22	1.51.23	1.110.23	1.169.23	1.228.23
1.63.22	1.122.22	1.181.22	1.240.22	1.52.23	1.111.23	1.170.23	1.229.23

1.231.23	1.43.24	1.102.24	1.161.24	1.219.24	1.31.25	1.90.25	1.149.25
1.232.23	1.44.24	1.103.24	1.162.24	1.220.24	1.32.25	1.91.25	1.150.25
1.233.23	1.45.24	1.104.24	1.163.24	1.221.24	1.33.25	1.92.25	1.151.25
1.234.23	1.46.24	1.105.24	1.164.24	1.222.24	1.34.25	1.93.25	1.152.25
1.235.23	1.47.24	1.106.24	1.165.24	1.223.24	1.35.25	1.94.25	1.153.25
1.236.23	1.48.24	1.107.24	1.166.24	1.224.24	1.36.25	1.95.25	1.154.25
1.237.23	1.49.24	1.108.24	1.167.24	1.225.24	1.37.25	1.96.25	1.155.25
1.238.23	1.50.24	1.109.24	1.168.24	1.226.24	1.38.25	1.97.25	1.156.25
1.239.23	1.51.24	1.110.24	1.169.24	1.227.24	1.39.25	1.98.25	1.157.25
1.240.23	1.52.24	1.111.24	1.170.24	1.228.24	1.40.25	1.99.25	1.158.25
1.241.23	1.53.24	1.112.24	1.171.24	1.229.24	1.41.25	1.100.25	1.159.25
1.242.23	1.54.24	1.113.24	1.172.24	1.230.24	1.42.25	1.101.25	1.160.25
1.243.23	1.55.24	1.114.24	1.173.24	1.231.24	1.43.25	1.102.25	1.161.25
1.244.23	1.56.24	1.115.24	1.174.24	1.232.24	1.44.25	1.103.25	1.162.25
1.245.23	1.57.24	1.116.24	1.175.24	1.233.24	1.45.25	1.104.25	1.163.25
1.246.23	1.58.24	1.117.24	1.176.24	1.234.24	1.46.25	1.105.25	1.164.25
1.247.23	1.59.24	1.118.24	1.177.24	1.235.24	1.47.25	1.106.25	1.165.25
1.1.24	1.60.24	1.119.24	1.178.24	1.236.24	1.48.25	1.107.25	1.166.25
1.2.24	1.61.24	1.120.24	1.179.24	1.237.24	1.49.25	1.108.25	1.167.25
1.3.24	1.62.24	1.121.24	1.180.24	1.238.24	1.50.25	1.109.25	1.168.25
1.4.24	1.63.24	1.122.24	1.181.24	1.239.24	1.51.25	1.110.25	1.169.25
1.5.24	1.64.24	1.123.24	1.182.24	1.240.24	1.52.25	1.111.25	1.170.25
1.6.24	1.65.24	1.124.24	1.183.24	1.241.24	1.53.25	1.112.25	1.171.25
1.7.24	1.66.24	1.125.24	1.184.24	1.242.24	1.54.25	1.113.25	1.172.25
1.8.24	1.67.24	1.126.24	1.185.24	1.243.24	1.55.25	1.114.25	1.173.25
1.9.24	1.68.24	1.127.24	1.186.24	1.244.24	1.56.25	1.115.25	1.174.25
1.10.24	1.69.24	1.128.24	1.187.24	1.245.24	1.57.25	1.116.25	1.175.25
1.11.24	1.70.24	1.129.24	1.188.24	1.246.24	1.58.25	1.117.25	1.176.25
1.12.24	1.71.24	1.130.24	1.189.24	1.247.24	1.59.25	1.118.25	1.177.25
1.13.24	1.72.24	1.131.24	1.190.24	1.1.25	1.60.25	1.119.25	1.178.25
1.14.24	1.73.24	1.132.24	1.191.24	1.2.25	1.61.25	1.120.25	1.179.25
1.15.24	1.74.24	1.133.24	1.192.24	1.3.25	1.62.25	1.121.25	1.180.25
1.16.24	1.75.24	1.134.24	1.193.24	1.4.25	1.63.25	1.122.25	1.181.25
1.17.24	1.76.24	1.135.24	1.194.24	1.5.25	1.64.25	1.123.25	1.182.25
1.18.24	1.77.24	1.136.24	1.195.24	1.6.25	1.65.25	1.124.25	1.183.25
1.19.24	1.78.24	1.137.24	1.196.24	1.7.25	1.66.25	1.125.25	1.184.25
1.20.24	1.79.24	1.138.24	1.197.24	1.8.25	1.67.25	1.126.25	1.185.25
1.21.24	1.80.24	1.139.24	1.198.24	1.9.25	1.68.25	1.127.25	1.186.25
1.22.24	1.81.24	1.140.24	1.199.24	1.10.25	1.69.25	1.128.25	1.187.25
1.23.24	1.82.24	1.141.24	1.200.24	1.11.25	1.70.25	1.129.25	1.188.25
1.24.24	1.83.24	1.142.24	1.201.24	1.12.25	1.71.25	1.130.25	1.189.25
1.25.24	1.84.24	1.143.24	1.202.24	1.13.25	1.72.25	1.131.25	1.190.25
1.26.24	1.85.24	1.144.24	1.203.24	1.14.25	1.73.25	1.132.25	1.191.25
1.27.24	1.86.24	1.145.24	1.204.24	1.15.25	1.74.25	1.133.25	1.192.25
1.28.24	1.87.24	1.146.24	1.205.24	1.16.25	1.75.25	1.134.25	1.193.25
1.29.24	1.88.24	1.147.24	1.206.24	1.17.25	1.76.25	1.135.25	1.194.25
1.30.24	1.89.24	1.148.24	1.207.24	1.18.25	1.77.25	1.136.25	1.195.25
1.31.24	1.90.24	1.149.24	1.208.24	1.19.25	1.78.25	1.137.25	1.196.25
1.32.24	1.91.24	1.150.24	1.209.24	1.20.25	1.79.25	1.138.25	1.197.25
1.33.24	1.92.24	1.151.24	1.210.24	1.21.25	1.80.25	1.139.25	1.198.25
1.34.24	1.93.24	1.152.24	1.211.24	1.22.25	1.81.25	1.140.25	1.199.25
1.35.24	1.94.24	1.153.24	1.212.24	1.23.25	1.82.25	1.141.25	1.200.25
1.36.24	1.95.24	1.154.24	1.213.24	1.24.25	1.83.25	1.142.25	1.201.25
1.37.24	1.96.24	1.155.24	1.214.24	1.25.25	1.84.25	1.143.25	1.202.25
1.38.24	1.97.24	1.156.24	1.215.24	1.26.25	1.85.25	1.144.25	1.203.25
1.39.24	1.98.24	1.157.24	1.216.24	1.27.25	1.86.25	1.145.25	1.204.25
1.40.24	1.99.24	1.158.24	1.217.24	1.28.25	1.87.25	1.146.25	1.205.25
1.41.24	1.100.24	1.159.24	1.218.24	1.29.25	1.88.25	1.147.25	1.206.25
				1.30.25	1.89.25	1.148.25	1.207.25

				1.197.26	1.9.27	1.68.27	1.127.27
1.209.25	1.21.26	1.80.26	1.139.26	1.198.26	1.10.27	1.69.27	1.128.27
1.210.25	1.22.26	1.81.26	1.140.26	1.199.26	1.11.27	1.70.27	1.129.27
1.211.25	1.23.26	1.82.26	1.141.26	1.200.26	1.12.27	1.71.27	1.130.27
1.212.25	1.24.26	1.83.26	1.142.26	1.201.26	1.13.27	1.72.27	1.131.27
1.213.25	1.25.26	1.84.26	1.143.26	1.202.26	1.14.27	1.73.27	1.132.27
1.214.25	1.26.26	1.85.26	1.144.26	1.203.26	1.15.27	1.74.27	1.133.27
1.215.25	1.27.26	1.86.26	1.145.26	1.204.26	1.16.27	1.75.27	1.134.27
1.216.25	1.28.26	1.87.26	1.146.26	1.205.26	1.17.27	1.76.27	1.135.27
1.217.25	1.29.26	1.88.26	1.147.26	1.206.26	1.18.27	1.77.27	1.136.27
1.218.25	1.30.26	1.89.26	1.148.26	1.207.26	1.19.27	1.78.27	1.137.27
1.219.25	1.31.26	1.90.26	1.149.26	1.208.26	1.20.27	1.79.27	1.138.27
1.220.25	1.32.26	1.91.26	1.150.26	1.209.26	1.21.27	1.80.27	1.139.27
1.221.25	1.33.26	1.92.26	1.151.26	1.210.26	1.22.27	1.81.27	1.140.27
1.222.25	1.34.26	1.93.26	1.152.26	1.211.26	1.23.27	1.82.27	1.141.27
1.223.25	1.35.26	1.94.26	1.153.26	1.212.26	1.24.27	1.83.27	1.142.27
1.224.25	1.36.26	1.95.26	1.154.26	1.213.26	1.25.27	1.84.27	1.143.27
1.225.25	1.37.26	1.96.26	1.155.26	1.214.26	1.26.27	1.85.27	1.144.27
1.226.25	1.38.26	1.97.26	1.156.26	1.215.26	1.27.27	1.86.27	1.145.27
1.227.25	1.39.26	1.98.26	1.157.26	1.216.26	1.28.27	1.87.27	1.146.27
1.228.25	1.40.26	1.99.26	1.158.26	1.217.26	1.29.27	1.88.27	1.147.27
1.229.25	1.41.26	1.100.26	1.159.26	1.218.26	1.30.27	1.89.27	1.148.27
1.230.25	1.42.26	1.101.26	1.160.26	1.219.26	1.31.27	1.90.27	1.149.27
1.231.25	1.43.26	1.102.26	1.161.26	1.220.26	1.32.27	1.91.27	1.150.27
1.232.25	1.44.26	1.103.26	1.162.26	1.221.26	1.33.27	1.92.27	1.151.27
1.233.25	1.45.26	1.104.26	1.163.26	1.222.26	1.34.27	1.93.27	1.152.27
1.234.25	1.46.26	1.105.26	1.164.26	1.223.26	1.35.27	1.94.27	1.153.27
1.235.25	1.47.26	1.106.26	1.165.26	1.224.26	1.36.27	1.95.27	1.154.27
1.236.25	1.48.26	1.107.26	1.166.26	1.225.26	1.37.27	1.96.27	1.155.27
1.237.25	1.49.26	1.108.26	1.167.26	1.226.26	1.38.27	1.97.27	1.156.27
1.238.25	1.50.26	1.109.26	1.168.26	1.227.26	1.39.27	1.98.27	1.157.27
1.239.25	1.51.26	1.110.26	1.169.26	1.228.26	1.40.27	1.99.27	1.158.27
1.240.25	1.52.26	1.111.26	1.170.26	1.229.26	1.41.27	1.100.27	1.159.27
1.241.25	1.53.26	1.112.26	1.171.26	1.230.26	1.42.27	1.101.27	1.160.27
1.242.25	1.54.26	1.113.26	1.172.26	1.231.26	1.43.27	1.102.27	1.161.27
1.243.25	1.55.26	1.114.26	1.173.26	1.232.26	1.44.27	1.103.27	1.162.27
1.244.25	1.56.26	1.115.26	1.174.26	1.233.26	1.45.27	1.104.27	1.163.27
1.245.25	1.57.26	1.116.26	1.175.26	1.234.26	1.46.27	1.105.27	1.164.27
1.246.25	1.58.26	1.117.26	1.176.26	1.235.26	1.47.27	1.106.27	1.165.27
1.247.25	1.59.26	1.118.26	1.177.26	1.236.26	1.48.27	1.107.27	1.166.27
1.1.26	1.60.26	1.119.26	1.178.26	1.237.26	1.49.27	1.108.27	1.167.27
1.2.26	1.61.26	1.120.26	1.179.26	1.238.26	1.50.27	1.109.27	1.168.27
1.3.26	1.62.26	1.121.26	1.180.26	1.239.26	1.51.27	1.110.27	1.169.27
1.4.26	1.63.26	1.122.26	1.181.26	1.240.26	1.52.27	1.111.27	1.170.27
1.5.26	1.64.26	1.123.26	1.182.26	1.241.26	1.53.27	1.112.27	1.171.27
1.6.26	1.65.26	1.124.26	1.183.26	1.242.26	1.54.27	1.113.27	1.172.27
1.7.26	1.66.26	1.125.26	1.184.26	1.243.26	1.55.27	1.114.27	1.173.27
1.8.26	1.67.26	1.126.26	1.185.26	1.244.26	1.56.27	1.115.27	1.174.27
1.9.26	1.68.26	1.127.26	1.186.26	1.245.26	1.57.27	1.116.27	1.175.27
1.10.26	1.69.26	1.128.26	1.187.26	1.246.26	1.58.27	1.117.27	1.176.27
1.11.26	1.70.26	1.129.26	1.188.26	1.247.26	1.59.27	1.118.27	1.177.27
1.12.26	1.71.26	1.130.26	1.189.26	1.1.27	1.60.27	1.119.27	1.178.27
1.13.26	1.72.26	1.131.26	1.190.26	1.2.27	1.61.27	1.120.27	1.179.27
1.14.26	1.73.26	1.132.26	1.191.26	1.3.27	1.62.27	1.121.27	1.180.27
1.15.26	1.74.26	1.133.26	1.192.26	1.4.27	1.63.27	1.122.27	1.181.27
1.16.26	1.75.26	1.134.26	1.193.26	1.5.27	1.64.27	1.123.27	1.182.27
1.17.26	1.76.26	1.135.26	1.194.26	1.6.27	1.65.27	1.124.27	1.183.27
1.18.26	1.77.26	1.136.26	1.195.26	1.7.27	1.66.27	1.125.27	1.184.27
1.19.26	1.78.26	1.137.26	1.196.26	1.8.27	1.67.27	1.126.27	1.185.27



1.187.27	1.246.27	1.58.28	1.117.28	1.175.28	1.234.28	1.46.29	1.105.29
1.188.27	1.247.27	1.59.28	1.118.28	1.176.28	1.235.28	1.47.29	1.106.29
1.189.27	1.1.28	1.60.28	1.119.28	1.177.28	1.236.28	1.48.29	1.107.29
1.190.27	1.2.28	1.61.28	1.120.28	1.178.28	1.237.28	1.49.29	1.108.29
1.191.27	1.3.28	1.62.28	1.121.28	1.179.28	1.238.28	1.50.29	1.109.29
1.192.27	1.4.28	1.63.28	1.122.28	1.180.28	1.239.28	1.51.29	1.110.29
1.193.27	1.5.28	1.64.28	1.123.28	1.181.28	1.240.28	1.52.29	1.111.29
1.194.27	1.6.28	1.65.28	1.124.28	1.182.28	1.241.28	1.53.29	1.112.29
1.195.27	1.7.28	1.66.28	1.125.28	1.183.28	1.242.28	1.54.29	1.113.29
1.196.27	1.8.28	1.67.28	1.126.28	1.184.28	1.243.28	1.55.29	1.114.29
1.197.27	1.9.28	1.68.28	1.127.28	1.185.28	1.244.28	1.56.29	1.115.29
1.198.27	1.10.28	1.69.28	1.128.28	1.186.28	1.245.28	1.57.29	1.116.29
1.199.27	1.11.28	1.70.28	1.129.28	1.187.28	1.246.28	1.58.29	1.117.29
1.200.27	1.12.28	1.71.28	1.130.28	1.188.28	1.247.28	1.59.29	1.118.29
1.201.27	1.13.28	1.72.28	1.131.28	1.189.28	1.1.29	1.60.29	1.119.29
1.202.27	1.14.28	1.73.28	1.132.28	1.190.28	1.2.29	1.61.29	1.120.29
1.203.27	1.15.28	1.74.28	1.133.28	1.191.28	1.3.29	1.62.29	1.121.29
1.204.27	1.16.28	1.75.28	1.134.28	1.192.28	1.4.29	1.63.29	1.122.29
1.205.27	1.17.28	1.76.28	1.135.28	1.193.28	1.5.29	1.64.29	1.123.29
1.206.27	1.18.28	1.77.28	1.136.28	1.194.28	1.6.29	1.65.29	1.124.29
1.207.27	1.19.28	1.78.28	1.137.28	1.195.28	1.7.29	1.66.29	1.125.29
1.208.27	1.20.28	1.79.28	1.138.28	1.196.28	1.8.29	1.67.29	1.126.29
1.209.27	1.21.28	1.80.28	1.139.28	1.197.28	1.9.29	1.68.29	1.127.29
1.210.27	1.22.28	1.81.28	1.140.28	1.198.28	1.10.29	1.69.29	1.128.29
1.211.27	1.23.28	1.82.28	1.141.28	1.199.28	1.11.29	1.70.29	1.129.29
1.212.27	1.24.28	1.83.28	1.142.28	1.200.28	1.12.29	1.71.29	1.130.29
1.213.27	1.25.28	1.84.28	1.143.28	1.201.28	1.13.29	1.72.29	1.131.29
1.214.27	1.26.28	1.85.28	1.144.28	1.202.28	1.14.29	1.73.29	1.132.29
1.215.27	1.27.28	1.86.28	1.145.28	1.203.28	1.15.29	1.74.29	1.133.29
1.216.27	1.28.28	1.87.28	1.146.28	1.204.28	1.16.29	1.75.29	1.134.29
1.217.27	1.29.28	1.88.28	1.147.28	1.205.28	1.17.29	1.76.29	1.135.29
1.218.27	1.30.28	1.89.28	1.148.28	1.206.28	1.18.29	1.77.29	1.136.29
1.219.27	1.31.28	1.90.28	1.149.28	1.207.28	1.19.29	1.78.29	1.137.29
1.220.27	1.32.28	1.91.28	1.150.28	1.208.28	1.20.29	1.79.29	1.138.29
1.221.27	1.33.28	1.92.28	1.151.28	1.209.28	1.21.29	1.80.29	1.139.29
1.222.27	1.34.28	1.93.28	1.152.28	1.210.28	1.22.29	1.81.29	1.140.29
1.223.27	1.35.28	1.94.28	1.153.28	1.211.28	1.23.29	1.82.29	1.141.29
1.224.27	1.36.28	1.95.28	1.154.28	1.212.28	1.24.29	1.83.29	1.142.29
1.225.27	1.37.28	1.96.28	1.155.28	1.213.28	1.25.29	1.84.29	1.143.29
1.226.27	1.38.28	1.97.28	1.156.28	1.214.28	1.26.29	1.85.29	1.144.29
1.227.27	1.39.28	1.98.28	1.157.28	1.215.28	1.27.29	1.86.29	1.145.29
1.228.27	1.40.28	1.99.28	1.158.28	1.216.28	1.28.29	1.87.29	1.146.29
1.229.27	1.41.28	1.100.28	1.159.28	1.217.28	1.29.29	1.88.29	1.147.29
1.230.27	1.42.28	1.101.28	1.160.28	1.218.28	1.30.29	1.89.29	1.148.29
1.231.27	1.43.28	1.102.28	1.161.28	1.219.28	1.31.29	1.90.29	1.149.29
1.232.27	1.44.28	1.103.28	1.162.28	1.220.28	1.32.29	1.91.29	1.150.29
1.233.27	1.45.28	1.104.28	1.163.28	1.221.28	1.33.29	1.92.29	1.151.29
1.234.27	1.46.28	1.105.28	1.164.28	1.222.28	1.34.29	1.93.29	1.152.29
1.235.27	1.47.28	1.106.28	1.165.28	1.223.28	1.35.29	1.94.29	1.153.29
1.236.27	1.48.28	1.107.28	1.166.28	1.224.28	1.36.29	1.95.29	1.154.29
1.237.27	1.49.28	1.108.28	1.167.28	1.225.28	1.37.29	1.96.29	1.155.29
1.238.27	1.50.28	1.109.28	1.168.28	1.226.28	1.38.29	1.97.29	1.156.29
1.239.27	1.51.28	1.110.28	1.169.28	1.227.28	1.39.29	1.98.29	1.157.29
1.240.27	1.52.28	1.111.28	1.170.28	1.228.28	1.40.29	1.99.29	1.158.29
1.241.27	1.53.28	1.112.28	1.171.28	1.229.28	1.41.29	1.100.29	1.159.29
1.242.27	1.54.28	1.113.28	1.172.28	1.230.28	1.42.29	1.101.29	1.160.29
1.243.27	1.55.28	1.114.28	1.173.28	1.231.28	1.43.29	1.102.29	1.161.29
1.244.27	1.56.28	1.115.28	1.174.28	1.232.28	1.44.29	1.103.29	1.162.29
				1.233.28	1.45.29	1.104.29	1.163.29

				1.153.30	1.212.30	1.24.31	1.83.31
1.165.29	1.224.29	1.36.30	1.95.30	1.154.30	1.213.30	1.25.31	1.84.31
1.166.29	1.225.29	1.37.30	1.96.30	1.155.30	1.214.30	1.26.31	1.85.31
1.167.29	1.226.29	1.38.30	1.97.30	1.156.30	1.215.30	1.27.31	1.86.31
1.168.29	1.227.29	1.39.30	1.98.30	1.157.30	1.216.30	1.28.31	1.87.31
1.169.29	1.228.29	1.40.30	1.99.30	1.158.30	1.217.30	1.29.31	1.88.31
1.170.29	1.229.29	1.41.30	1.100.30	1.159.30	1.218.30	1.30.31	1.89.31
1.171.29	1.230.29	1.42.30	1.101.30	1.160.30	1.219.30	1.31.31	1.90.31
1.172.29	1.231.29	1.43.30	1.102.30	1.161.30	1.220.30	1.32.31	1.91.31
1.173.29	1.232.29	1.44.30	1.103.30	1.162.30	1.221.30	1.33.31	1.92.31
1.174.29	1.233.29	1.45.30	1.104.30	1.163.30	1.222.30	1.34.31	1.93.31
1.175.29	1.234.29	1.46.30	1.105.30	1.164.30	1.223.30	1.35.31	1.94.31
1.176.29	1.235.29	1.47.30	1.106.30	1.165.30	1.224.30	1.36.31	1.95.31
1.177.29	1.236.29	1.48.30	1.107.30	1.166.30	1.225.30	1.37.31	1.96.31
1.178.29	1.237.29	1.49.30	1.108.30	1.167.30	1.226.30	1.38.31	1.97.31
1.179.29	1.238.29	1.50.30	1.109.30	1.168.30	1.227.30	1.39.31	1.98.31
1.180.29	1.239.29	1.51.30	1.110.30	1.169.30	1.228.30	1.40.31	1.99.31
1.181.29	1.240.29	1.52.30	1.111.30	1.170.30	1.229.30	1.41.31	1.100.31
1.182.29	1.241.29	1.53.30	1.112.30	1.171.30	1.230.30	1.42.31	1.101.31
1.183.29	1.242.29	1.54.30	1.113.30	1.172.30	1.231.30	1.43.31	1.102.31
1.184.29	1.243.29	1.55.30	1.114.30	1.173.30	1.232.30	1.44.31	1.103.31
1.185.29	1.244.29	1.56.30	1.115.30	1.174.30	1.233.30	1.45.31	1.104.31
1.186.29	1.245.29	1.57.30	1.116.30	1.175.30	1.234.30	1.46.31	1.105.31
1.187.29	1.246.29	1.58.30	1.117.30	1.176.30	1.235.30	1.47.31	1.106.31
1.188.29	1.247.29	1.59.30	1.118.30	1.177.30	1.236.30	1.48.31	1.107.31
1.189.29	1.1.30	1.60.30	1.119.30	1.178.30	1.237.30	1.49.31	1.108.31
1.190.29	1.2.30	1.61.30	1.120.30	1.179.30	1.238.30	1.50.31	1.109.31
1.191.29	1.3.30	1.62.30	1.121.30	1.180.30	1.239.30	1.51.31	1.110.31
1.192.29	1.4.30	1.63.30	1.122.30	1.181.30	1.240.30	1.52.31	1.111.31
1.193.29	1.5.30	1.64.30	1.123.30	1.182.30	1.241.30	1.53.31	1.112.31
1.194.29	1.6.30	1.65.30	1.124.30	1.183.30	1.242.30	1.54.31	1.113.31
1.195.29	1.7.30	1.66.30	1.125.30	1.184.30	1.243.30	1.55.31	1.114.31
1.196.29	1.8.30	1.67.30	1.126.30	1.185.30	1.244.30	1.56.31	1.115.31
1.197.29	1.9.30	1.68.30	1.127.30	1.186.30	1.245.30	1.57.31	1.116.31
1.198.29	1.10.30	1.69.30	1.128.30	1.187.30	1.246.30	1.58.31	1.117.31
1.199.29	1.11.30	1.70.30	1.129.30	1.188.30	1.247.30	1.59.31	1.118.31
1.200.29	1.12.30	1.71.30	1.130.30	1.189.30	1.1.31	1.60.31	1.119.31
1.201.29	1.13.30	1.72.30	1.131.30	1.190.30	1.2.31	1.61.31	1.120.31
1.202.29	1.14.30	1.73.30	1.132.30	1.191.30	1.3.31	1.62.31	1.121.31
1.203.29	1.15.30	1.74.30	1.133.30	1.192.30	1.4.31	1.63.31	1.122.31
1.204.29	1.16.30	1.75.30	1.134.30	1.193.30	1.5.31	1.64.31	1.123.31
1.205.29	1.17.30	1.76.30	1.135.30	1.194.30	1.6.31	1.65.31	1.124.31
1.206.29	1.18.30	1.77.30	1.136.30	1.195.30	1.7.31	1.66.31	1.125.31
1.207.29	1.19.30	1.78.30	1.137.30	1.196.30	1.8.31	1.67.31	1.126.31
1.208.29	1.20.30	1.79.30	1.138.30	1.197.30	1.9.31	1.68.31	1.127.31
1.209.29	1.21.30	1.80.30	1.139.30	1.198.30	1.10.31	1.69.31	1.128.31
1.210.29	1.22.30	1.81.30	1.140.30	1.199.30	1.11.31	1.70.31	1.129.31
1.211.29	1.23.30	1.82.30	1.141.30	1.200.30	1.12.31	1.71.31	1.130.31
1.212.29	1.24.30	1.83.30	1.142.30	1.201.30	1.13.31	1.72.31	1.131.31
1.213.29	1.25.30	1.84.30	1.143.30	1.202.30	1.14.31	1.73.31	1.132.31
1.214.29	1.26.30	1.85.30	1.144.30	1.203.30	1.15.31	1.74.31	1.133.31
1.215.29	1.27.30	1.86.30	1.145.30	1.204.30	1.16.31	1.75.31	1.134.31
1.216.29	1.28.30	1.87.30	1.146.30	1.205.30	1.17.31	1.76.31	1.135.31
1.217.29	1.29.30	1.88.30	1.147.30	1.206.30	1.18.31	1.77.31	1.136.31
1.218.29	1.30.30	1.89.30	1.148.30	1.207.30	1.19.31	1.78.31	1.137.31
1.219.29	1.31.30	1.90.30	1.149.30	1.208.30	1.20.31	1.79.31	1.138.31
1.220.29	1.32.30	1.91.30	1.150.30	1.209.30	1.21.31	1.80.31	1.139.31
1.221.29	1.33.30	1.92.30	1.151.30	1.210.30	1.22.31	1.81.31	1.140.31
1.222.29	1.34.30	1.93.30	1.152.30	1.211.30	1.23.31	1.82.31	1.141.31

1.143.31	1.202.31	1.14.32	1.73.32	1.131.32	1.190.32	1.2.33	1.61.33
1.144.31	1.203.31	1.15.32	1.74.32	1.132.32	1.191.32	1.3.33	1.62.33
1.145.31	1.204.31	1.16.32	1.75.32	1.133.32	1.192.32	1.4.33	1.63.33
1.146.31	1.205.31	1.17.32	1.76.32	1.134.32	1.193.32	1.5.33	1.64.33
1.147.31	1.206.31	1.18.32	1.77.32	1.135.32	1.194.32	1.6.33	1.65.33
1.148.31	1.207.31	1.19.32	1.78.32	1.136.32	1.195.32	1.7.33	1.66.33
1.149.31	1.208.31	1.20.32	1.79.32	1.137.32	1.196.32	1.8.33	1.67.33
1.150.31	1.209.31	1.21.32	1.80.32	1.138.32	1.197.32	1.9.33	1.68.33
1.151.31	1.210.31	1.22.32	1.81.32	1.139.32	1.198.32	1.10.33	1.69.33
1.152.31	1.211.31	1.23.32	1.82.32	1.140.32	1.199.32	1.11.33	1.70.33
1.153.31	1.212.31	1.24.32	1.83.32	1.141.32	1.200.32	1.12.33	1.71.33
1.154.31	1.213.31	1.25.32	1.84.32	1.142.32	1.201.32	1.13.33	1.72.33
1.155.31	1.214.31	1.26.32	1.85.32	1.143.32	1.202.32	1.14.33	1.73.33
1.156.31	1.215.31	1.27.32	1.86.32	1.144.32	1.203.32	1.15.33	1.74.33
1.157.31	1.216.31	1.28.32	1.87.32	1.145.32	1.204.32	1.16.33	1.75.33
1.158.31	1.217.31	1.29.32	1.88.32	1.146.32	1.205.32	1.17.33	1.76.33
1.159.31	1.218.31	1.30.32	1.89.32	1.147.32	1.206.32	1.18.33	1.77.33
1.160.31	1.219.31	1.31.32	1.90.32	1.148.32	1.207.32	1.19.33	1.78.33
1.161.31	1.220.31	1.32.32	1.91.32	1.149.32	1.208.32	1.20.33	1.79.33
1.162.31	1.221.31	1.33.32	1.92.32	1.150.32	1.209.32	1.21.33	1.80.33
1.163.31	1.222.31	1.34.32	1.93.32	1.151.32	1.210.32	1.22.33	1.81.33
1.164.31	1.223.31	1.35.32	1.94.32	1.152.32	1.211.32	1.23.33	1.82.33
1.165.31	1.224.31	1.36.32	1.95.32	1.153.32	1.212.32	1.24.33	1.83.33
1.166.31	1.225.31	1.37.32	1.96.32	1.154.32	1.213.32	1.25.33	1.84.33
1.167.31	1.226.31	1.38.32	1.97.32	1.155.32	1.214.32	1.26.33	1.85.33
1.168.31	1.227.31	1.39.32	1.98.32	1.156.32	1.215.32	1.27.33	1.86.33
1.169.31	1.228.31	1.40.32	1.99.32	1.157.32	1.216.32	1.28.33	1.87.33
1.170.31	1.229.31	1.41.32	1.100.32	1.158.32	1.217.32	1.29.33	1.88.33
1.171.31	1.230.31	1.42.32	1.101.32	1.159.32	1.218.32	1.30.33	1.89.33
1.172.31	1.231.31	1.43.32	1.102.32	1.160.32	1.219.32	1.31.33	1.90.33
1.173.31	1.232.31	1.44.32	1.103.32	1.161.32	1.220.32	1.32.33	1.91.33
1.174.31	1.233.31	1.45.32	1.104.32	1.162.32	1.221.32	1.33.33	1.92.33
1.175.31	1.234.31	1.46.32	1.105.32	1.163.32	1.222.32	1.34.33	1.93.33
1.176.31	1.235.31	1.47.32	1.106.32	1.164.32	1.223.32	1.35.33	1.94.33
1.177.31	1.236.31	1.48.32	1.107.32	1.165.32	1.224.32	1.36.33	1.95.33
1.178.31	1.237.31	1.49.32	1.108.32	1.166.32	1.225.32	1.37.33	1.96.33
1.179.31	1.238.31	1.50.32	1.109.32	1.167.32	1.226.32	1.38.33	1.97.33
1.180.31	1.239.31	1.51.32	1.110.32	1.168.32	1.227.32	1.39.33	1.98.33
1.181.31	1.240.31	1.52.32	1.111.32	1.169.32	1.228.32	1.40.33	1.99.33
1.182.31	1.241.31	1.53.32	1.112.32	1.170.32	1.229.32	1.41.33	1.100.33
1.183.31	1.242.31	1.54.32	1.113.32	1.171.32	1.230.32	1.42.33	1.101.33
1.184.31	1.243.31	1.55.32	1.114.32	1.172.32	1.231.32	1.43.33	1.102.33
1.185.31	1.244.31	1.56.32	1.115.32	1.173.32	1.232.32	1.44.33	1.103.33
1.186.31	1.245.31	1.57.32	1.116.32	1.174.32	1.233.32	1.45.33	1.104.33
1.187.31	1.246.31	1.58.32	1.117.32	1.175.32	1.234.32	1.46.33	1.105.33
1.188.31	1.247.31	1.59.32	1.118.32	1.176.32	1.235.32	1.47.33	1.106.33
1.189.31	1.1.32	1.60.32	1.119.32	1.177.32	1.236.32	1.48.33	1.107.33
1.190.31	1.2.32	1.61.32	1.120.32	1.178.32	1.237.32	1.49.33	1.108.33
1.191.31	1.3.32	1.62.32	1.121.32	1.179.32	1.238.32	1.50.33	1.109.33
1.192.31	1.4.32	1.63.32	1.122.32	1.180.32	1.239.32	1.51.33	1.110.33
1.193.31	1.5.32	1.64.32	1.123.32	1.181.32	1.240.32	1.52.33	1.111.33
1.194.31	1.6.32	1.65.32	1.124.32	1.182.32	1.241.32	1.53.33	1.112.33
1.195.31	1.7.32	1.66.32	1.125.32	1.183.32	1.242.32	1.54.33	1.113.33
1.196.31	1.8.32	1.67.32	1.126.32	1.184.32	1.243.32	1.55.33	1.114.33
1.197.31	1.9.32	1.68.32	1.127.32	1.185.32	1.244.32	1.56.33	1.115.33
1.198.31	1.10.32	1.69.32	1.128.32	1.186.32	1.245.32	1.57.33	1.116.33
1.199.31	1.11.32	1.70.32	1.129.32	1.187.32	1.246.32	1.58.33	1.117.33
1.200.31	1.12.32	1.71.32	1.130.32	1.188.32	1.247.32	1.59.33	1.118.33
				1.189.32	1.1.33	1.60.33	1.119.33

1.121.33	1.180.33	1.239.33	1.51.34	1.109.34	1.168.34	1.227.34	1.39.35
1.122.33	1.181.33	1.240.33	1.52.34	1.110.34	1.169.34	1.228.34	1.40.35
1.123.33	1.182.33	1.241.33	1.53.34	1.111.34	1.170.34	1.229.34	1.41.35
1.124.33	1.183.33	1.242.33	1.54.34	1.112.34	1.171.34	1.230.34	1.42.35
1.125.33	1.184.33	1.243.33	1.55.34	1.113.34	1.172.34	1.231.34	1.43.35
1.126.33	1.185.33	1.244.33	1.56.34	1.114.34	1.173.34	1.232.34	1.44.35
1.127.33	1.186.33	1.245.33	1.57.34	1.115.34	1.174.34	1.233.34	1.45.35
1.128.33	1.187.33	1.246.33	1.58.34	1.116.34	1.175.34	1.234.34	1.46.35
1.129.33	1.188.33	1.247.33	1.59.34	1.117.34	1.176.34	1.235.34	1.47.35
1.130.33	1.189.33	1.1.34	1.60.34	1.118.34	1.177.34	1.236.34	1.48.35
1.131.33	1.190.33	1.2.34	1.61.34	1.119.34	1.178.34	1.237.34	1.49.35
1.132.33	1.191.33	1.3.34	1.62.34	1.120.34	1.179.34	1.238.34	1.50.35
1.133.33	1.192.33	1.4.34	1.63.34	1.121.34	1.180.34	1.239.34	1.51.35
1.134.33	1.193.33	1.5.34	1.64.34	1.122.34	1.181.34	1.240.34	1.52.35
1.135.33	1.194.33	1.6.34	1.65.34	1.123.34	1.182.34	1.241.34	1.53.35
1.136.33	1.195.33	1.7.34	1.66.34	1.124.34	1.183.34	1.242.34	1.54.35
1.137.33	1.196.33	1.8.34	1.67.34	1.125.34	1.184.34	1.243.34	1.55.35
1.138.33	1.197.33	1.9.34	1.68.34	1.126.34	1.185.34	1.244.34	1.56.35
1.139.33	1.198.33	1.10.34	1.69.34	1.127.34	1.186.34	1.245.34	1.57.35
1.140.33	1.199.33	1.11.34	1.70.34	1.128.34	1.187.34	1.246.34	1.58.35
1.141.33	1.200.33	1.12.34	1.71.34	1.129.34	1.188.34	1.247.34	1.59.35
1.142.33	1.201.33	1.13.34	1.72.34	1.130.34	1.189.34	1.1.35	1.60.35
1.143.33	1.202.33	1.14.34	1.73.34	1.131.34	1.190.34	1.2.35	1.61.35
1.144.33	1.203.33	1.15.34	1.74.34	1.132.34	1.191.34	1.3.35	1.62.35
1.145.33	1.204.33	1.16.34	1.75.34	1.133.34	1.192.34	1.4.35	1.63.35
1.146.33	1.205.33	1.17.34	1.76.34	1.134.34	1.193.34	1.5.35	1.64.35
1.147.33	1.206.33	1.18.34	1.77.34	1.135.34	1.194.34	1.6.35	1.65.35
1.148.33	1.207.33	1.19.34	1.78.34	1.136.34	1.195.34	1.7.35	1.66.35
1.149.33	1.208.33	1.20.34	1.79.34	1.137.34	1.196.34	1.8.35	1.67.35
1.150.33	1.209.33	1.21.34	1.80.34	1.138.34	1.197.34	1.9.35	1.68.35
1.151.33	1.210.33	1.22.34	1.81.34	1.139.34	1.198.34	1.10.35	1.69.35
1.152.33	1.211.33	1.23.34	1.82.34	1.140.34	1.199.34	1.11.35	1.70.35
1.153.33	1.212.33	1.24.34	1.83.34	1.141.34	1.200.34	1.12.35	1.71.35
1.154.33	1.213.33	1.25.34	1.84.34	1.142.34	1.201.34	1.13.35	1.72.35
1.155.33	1.214.33	1.26.34	1.85.34	1.143.34	1.202.34	1.14.35	1.73.35
1.156.33	1.215.33	1.27.34	1.86.34	1.144.34	1.203.34	1.15.35	1.74.35
1.157.33	1.216.33	1.28.34	1.87.34	1.145.34	1.204.34	1.16.35	1.75.35
1.158.33	1.217.33	1.29.34	1.88.34	1.146.34	1.205.34	1.17.35	1.76.35
1.159.33	1.218.33	1.30.34	1.89.34	1.147.34	1.206.34	1.18.35	1.77.35
1.160.33	1.219.33	1.31.34	1.90.34	1.148.34	1.207.34	1.19.35	1.78.35
1.161.33	1.220.33	1.32.34	1.91.34	1.149.34	1.208.34	1.20.35	1.79.35
1.162.33	1.221.33	1.33.34	1.92.34	1.150.34	1.209.34	1.21.35	1.80.35
1.163.33	1.222.33	1.34.34	1.93.34	1.151.34	1.210.34	1.22.35	1.81.35
1.164.33	1.223.33	1.35.34	1.94.34	1.152.34	1.211.34	1.23.35	1.82.35
1.165.33	1.224.33	1.36.34	1.95.34	1.153.34	1.212.34	1.24.35	1.83.35
1.166.33	1.225.33	1.37.34	1.96.34	1.154.34	1.213.34	1.25.35	1.84.35
1.167.33	1.226.33	1.38.34	1.97.34	1.155.34	1.214.34	1.26.35	1.85.35
1.168.33	1.227.33	1.39.34	1.98.34	1.156.34	1.215.34	1.27.35	1.86.35
1.169.33	1.228.33	1.40.34	1.99.34	1.157.34	1.216.34	1.28.35	1.87.35
1.170.33	1.229.33	1.41.34	1.100.34	1.158.34	1.217.34	1.29.35	1.88.35
1.171.33	1.230.33	1.42.34	1.101.34	1.159.34	1.218.34	1.30.35	1.89.35
1.172.33	1.231.33	1.43.34	1.102.34	1.160.34	1.219.34	1.31.35	1.90.35
1.173.33	1.232.33	1.44.34	1.103.34	1.161.34	1.220.34	1.32.35	1.91.35
1.174.33	1.233.33	1.45.34	1.104.34	1.162.34	1.221.34	1.33.35	1.92.35
1.175.33	1.234.33	1.46.34	1.105.34	1.163.34	1.222.34	1.34.35	1.93.35
1.176.33	1.235.33	1.47.34	1.106.34	1.164.34	1.223.34	1.35.35	1.94.35
1.177.33	1.236.33	1.48.34	1.107.34	1.165.34	1.224.34	1.36.35	1.95.35
1.178.33	1.237.33	1.49.34	1.108.34	1.166.34	1.225.34	1.37.35	1.96.35
				1.167.34	1.226.34	1.38.35	1.97.35

				1.87.36	1.146.36	1.205.36	1.17.37
1.99.35	1.158.35	1.217.35	1.29.36	1.88.36	1.147.36	1.206.36	1.18.37
1.100.35	1.159.35	1.218.35	1.30.36	1.89.36	1.148.36	1.207.36	1.19.37
1.101.35	1.160.35	1.219.35	1.31.36	1.90.36	1.149.36	1.208.36	1.20.37
1.102.35	1.161.35	1.220.35	1.32.36	1.91.36	1.150.36	1.209.36	1.21.37
1.103.35	1.162.35	1.221.35	1.33.36	1.92.36	1.151.36	1.210.36	1.22.37
1.104.35	1.163.35	1.222.35	1.34.36	1.93.36	1.152.36	1.211.36	1.23.37
1.105.35	1.164.35	1.223.35	1.35.36	1.94.36	1.153.36	1.212.36	1.24.37
1.106.35	1.165.35	1.224.35	1.36.36	1.95.36	1.154.36	1.213.36	1.25.37
1.107.35	1.166.35	1.225.35	1.37.36	1.96.36	1.155.36	1.214.36	1.26.37
1.108.35	1.167.35	1.226.35	1.38.36	1.97.36	1.156.36	1.215.36	1.27.37
1.109.35	1.168.35	1.227.35	1.39.36	1.98.36	1.157.36	1.216.36	1.28.37
1.110.35	1.169.35	1.228.35	1.40.36	1.99.36	1.158.36	1.217.36	1.29.37
1.111.35	1.170.35	1.229.35	1.41.36	1.100.36	1.159.36	1.218.36	1.30.37
1.112.35	1.171.35	1.230.35	1.42.36	1.101.36	1.160.36	1.219.36	1.31.37
1.113.35	1.172.35	1.231.35	1.43.36	1.102.36	1.161.36	1.220.36	1.32.37
1.114.35	1.173.35	1.232.35	1.44.36	1.103.36	1.162.36	1.221.36	1.33.37
1.115.35	1.174.35	1.233.35	1.45.36	1.104.36	1.163.36	1.222.36	1.34.37
1.116.35	1.175.35	1.234.35	1.46.36	1.105.36	1.164.36	1.223.36	1.35.37
1.117.35	1.176.35	1.235.35	1.47.36	1.106.36	1.165.36	1.224.36	1.36.37
1.118.35	1.177.35	1.236.35	1.48.36	1.107.36	1.166.36	1.225.36	1.37.37
1.119.35	1.178.35	1.237.35	1.49.36	1.108.36	1.167.36	1.226.36	1.38.37
1.120.35	1.179.35	1.238.35	1.50.36	1.109.36	1.168.36	1.227.36	1.39.37
1.121.35	1.180.35	1.239.35	1.51.36	1.110.36	1.169.36	1.228.36	1.40.37
1.122.35	1.181.35	1.240.35	1.52.36	1.111.36	1.170.36	1.229.36	1.41.37
1.123.35	1.182.35	1.241.35	1.53.36	1.112.36	1.171.36	1.230.36	1.42.37
1.124.35	1.183.35	1.242.35	1.54.36	1.113.36	1.172.36	1.231.36	1.43.37
1.125.35	1.184.35	1.243.35	1.55.36	1.114.36	1.173.36	1.232.36	1.44.37
1.126.35	1.185.35	1.244.35	1.56.36	1.115.36	1.174.36	1.233.36	1.45.37
1.127.35	1.186.35	1.245.35	1.57.36	1.116.36	1.175.36	1.234.36	1.46.37
1.128.35	1.187.35	1.246.35	1.58.36	1.117.36	1.176.36	1.235.36	1.47.37
1.129.35	1.188.35	1.247.35	1.59.36	1.118.36	1.177.36	1.236.36	1.48.37
1.130.35	1.189.35	1.1.36	1.60.36	1.119.36	1.178.36	1.237.36	1.49.37
1.131.35	1.190.35	1.2.36	1.61.36	1.120.36	1.179.36	1.238.36	1.50.37
1.132.35	1.191.35	1.3.36	1.62.36	1.121.36	1.180.36	1.239.36	1.51.37
1.133.35	1.192.35	1.4.36	1.63.36	1.122.36	1.181.36	1.240.36	1.52.37
1.134.35	1.193.35	1.5.36	1.64.36	1.123.36	1.182.36	1.241.36	1.53.37
1.135.35	1.194.35	1.6.36	1.65.36	1.124.36	1.183.36	1.242.36	1.54.37
1.136.35	1.195.35	1.7.36	1.66.36	1.125.36	1.184.36	1.243.36	1.55.37
1.137.35	1.196.35	1.8.36	1.67.36	1.126.36	1.185.36	1.244.36	1.56.37
1.138.35	1.197.35	1.9.36	1.68.36	1.127.36	1.186.36	1.245.36	1.57.37
1.139.35	1.198.35	1.10.36	1.69.36	1.128.36	1.187.36	1.246.36	1.58.37
1.140.35	1.199.35	1.11.36	1.70.36	1.129.36	1.188.36	1.247.36	1.59.37
1.141.35	1.200.35	1.12.36	1.71.36	1.130.36	1.189.36	1.1.37	1.60.37
1.142.35	1.201.35	1.13.36	1.72.36	1.131.36	1.190.36	1.2.37	1.61.37
1.143.35	1.202.35	1.14.36	1.73.36	1.132.36	1.191.36	1.3.37	1.62.37
1.144.35	1.203.35	1.15.36	1.74.36	1.133.36	1.192.36	1.4.37	1.63.37
1.145.35	1.204.35	1.16.36	1.75.36	1.134.36	1.193.36	1.5.37	1.64.37
1.146.35	1.205.35	1.17.36	1.76.36	1.135.36	1.194.36	1.6.37	1.65.37
1.147.35	1.206.35	1.18.36	1.77.36	1.136.36	1.195.36	1.7.37	1.66.37
1.148.35	1.207.35	1.19.36	1.78.36	1.137.36	1.196.36	1.8.37	1.67.37
1.149.35	1.208.35	1.20.36	1.79.36	1.138.36	1.197.36	1.9.37	1.68.37
1.150.35	1.209.35	1.21.36	1.80.36	1.139.36	1.198.36	1.10.37	1.69.37
1.151.35	1.210.35	1.22.36	1.81.36	1.140.36	1.199.36	1.11.37	1.70.37
1.152.35	1.211.35	1.23.36	1.82.36	1.141.36	1.200.36	1.12.37	1.71.37
1.153.35	1.212.35	1.24.36	1.83.36	1.142.36	1.201.36	1.13.37	1.72.37
1.154.35	1.213.35	1.25.36	1.84.36	1.143.36	1.202.36	1.14.37	1.73.37
1.155.35	1.214.35	1.26.36	1.85.36	1.144.36	1.203.36	1.15.37	1.74.37
1.156.35	1.215.35	1.27.36	1.86.36	1.145.36	1.204.36	1.16.37	1.75.37

				1.65.38	1.124.38	1.183.38	1.242.38
1.77.37	1.136.37	1.195.37	1.7.38	1.66.38	1.125.38	1.184.38	1.243.38
1.78.37	1.137.37	1.196.37	1.8.38	1.67.38	1.126.38	1.185.38	1.244.38
1.79.37	1.138.37	1.197.37	1.9.38	1.68.38	1.127.38	1.186.38	1.245.38
1.80.37	1.139.37	1.198.37	1.10.38	1.69.38	1.128.38	1.187.38	1.246.38
1.81.37	1.140.37	1.199.37	1.11.38	1.70.38	1.129.38	1.188.38	1.247.38
1.82.37	1.141.37	1.200.37	1.12.38	1.71.38	1.130.38	1.189.38	1.1.39
1.83.37	1.142.37	1.201.37	1.13.38	1.72.38	1.131.38	1.190.38	1.2.39
1.84.37	1.143.37	1.202.37	1.14.38	1.73.38	1.132.38	1.191.38	1.3.39
1.85.37	1.144.37	1.203.37	1.15.38	1.74.38	1.133.38	1.192.38	1.4.39
1.86.37	1.145.37	1.204.37	1.16.38	1.75.38	1.134.38	1.193.38	1.5.39
1.87.37	1.146.37	1.205.37	1.17.38	1.76.38	1.135.38	1.194.38	1.6.39
1.88.37	1.147.37	1.206.37	1.18.38	1.77.38	1.136.38	1.195.38	1.7.39
1.89.37	1.148.37	1.207.37	1.19.38	1.78.38	1.137.38	1.196.38	1.8.39
1.90.37	1.149.37	1.208.37	1.20.38	1.79.38	1.138.38	1.197.38	1.9.39
1.91.37	1.150.37	1.209.37	1.21.38	1.80.38	1.139.38	1.198.38	1.10.39
1.92.37	1.151.37	1.210.37	1.22.38	1.81.38	1.140.38	1.199.38	1.11.39
1.93.37	1.152.37	1.211.37	1.23.38	1.82.38	1.141.38	1.200.38	1.12.39
1.94.37	1.153.37	1.212.37	1.24.38	1.83.38	1.142.38	1.201.38	1.13.39
1.95.37	1.154.37	1.213.37	1.25.38	1.84.38	1.143.38	1.202.38	1.14.39
1.96.37	1.155.37	1.214.37	1.26.38	1.85.38	1.144.38	1.203.38	1.15.39
1.97.37	1.156.37	1.215.37	1.27.38	1.86.38	1.145.38	1.204.38	1.16.39
1.98.37	1.157.37	1.216.37	1.28.38	1.87.38	1.146.38	1.205.38	1.17.39
1.99.37	1.158.37	1.217.37	1.29.38	1.88.38	1.147.38	1.206.38	1.18.39
1.100.37	1.159.37	1.218.37	1.30.38	1.89.38	1.148.38	1.207.38	1.19.39
1.101.37	1.160.37	1.219.37	1.31.38	1.90.38	1.149.38	1.208.38	1.20.39
1.102.37	1.161.37	1.220.37	1.32.38	1.91.38	1.150.38	1.209.38	1.21.39
1.103.37	1.162.37	1.221.37	1.33.38	1.92.38	1.151.38	1.210.38	1.22.39
1.104.37	1.163.37	1.222.37	1.34.38	1.93.38	1.152.38	1.211.38	1.23.39
1.105.37	1.164.37	1.223.37	1.35.38	1.94.38	1.153.38	1.212.38	1.24.39
1.106.37	1.165.37	1.224.37	1.36.38	1.95.38	1.154.38	1.213.38	1.25.39
1.107.37	1.166.37	1.225.37	1.37.38	1.96.38	1.155.38	1.214.38	1.26.39
1.108.37	1.167.37	1.226.37	1.38.38	1.97.38	1.156.38	1.215.38	1.27.39
1.109.37	1.168.37	1.227.37	1.39.38	1.98.38	1.157.38	1.216.38	1.28.39
1.110.37	1.169.37	1.228.37	1.40.38	1.99.38	1.158.38	1.217.38	1.29.39
1.111.37	1.170.37	1.229.37	1.41.38	1.100.38	1.159.38	1.218.38	1.30.39
1.112.37	1.171.37	1.230.37	1.42.38	1.101.38	1.160.38	1.219.38	1.31.39
1.113.37	1.172.37	1.231.37	1.43.38	1.102.38	1.161.38	1.220.38	1.32.39
1.114.37	1.173.37	1.232.37	1.44.38	1.103.38	1.162.38	1.221.38	1.33.39
1.115.37	1.174.37	1.233.37	1.45.38	1.104.38	1.163.38	1.222.38	1.34.39
1.116.37	1.175.37	1.234.37	1.46.38	1.105.38	1.164.38	1.223.38	1.35.39
1.117.37	1.176.37	1.235.37	1.47.38	1.106.38	1.165.38	1.224.38	1.36.39
1.118.37	1.177.37	1.236.37	1.48.38	1.107.38	1.166.38	1.225.38	1.37.39
1.119.37	1.178.37	1.237.37	1.49.38	1.108.38	1.167.38	1.226.38	1.38.39
1.120.37	1.179.37	1.238.37	1.50.38	1.109.38	1.168.38	1.227.38	1.39.39
1.121.37	1.180.37	1.239.37	1.51.38	1.110.38	1.169.38	1.228.38	1.40.39
1.122.37	1.181.37	1.240.37	1.52.38	1.111.38	1.170.38	1.229.38	1.41.39
1.123.37	1.182.37	1.241.37	1.53.38	1.112.38	1.171.38	1.230.38	1.42.39
1.124.37	1.183.37	1.242.37	1.54.38	1.113.38	1.172.38	1.231.38	1.43.39
1.125.37	1.184.37	1.243.37	1.55.38	1.114.38	1.173.38	1.232.38	1.44.39
1.126.37	1.185.37	1.244.37	1.56.38	1.115.38	1.174.38	1.233.38	1.45.39
1.127.37	1.186.37	1.245.37	1.57.38	1.116.38	1.175.38	1.234.38	1.46.39
1.128.37	1.187.37	1.246.37	1.58.38	1.117.38	1.176.38	1.235.38	1.47.39
1.129.37	1.188.37	1.247.37	1.59.38	1.118.38	1.177.38	1.236.38	1.48.39
1.130.37	1.189.37	1.1.38	1.60.38	1.119.38	1.178.38	1.237.38	1.49.39
1.131.37	1.190.37	1.2.38	1.61.38	1.120.38	1.179.38	1.238.38	1.50.39
1.132.37	1.191.37	1.3.38	1.62.38	1.121.38	1.180.38	1.239.38	1.51.39
1.133.37	1.192.37	1.4.38	1.63.38	1.122.38	1.181.38	1.240.38	1.52.39
1.134.37	1.193.37	1.5.38	1.64.38	1.123.38	1.182.38	1.241.38	1.53.39

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1.55.39	1.114.39	1.173.39	1.232.39	1.43.40	1.102.40	1.161.40	1.220.40
1.56.39	1.115.39	1.174.39	1.233.39	1.44.40	1.103.40	1.162.40	1.221.40
1.57.39	1.116.39	1.175.39	1.234.39	1.45.40	1.104.40	1.163.40	1.222.40
1.58.39	1.117.39	1.176.39	1.235.39	1.46.40	1.105.40	1.164.40	1.223.40
1.59.39	1.118.39	1.177.39	1.236.39	1.47.40	1.106.40	1.165.40	1.224.40
1.60.39	1.119.39	1.178.39	1.237.39	1.48.40	1.107.40	1.166.40	1.225.40
1.61.39	1.120.39	1.179.39	1.238.39	1.49.40	1.108.40	1.167.40	1.226.40
1.62.39	1.121.39	1.180.39	1.239.39	1.50.40	1.109.40	1.168.40	1.227.40
1.63.39	1.122.39	1.181.39	1.240.39	1.51.40	1.110.40	1.169.40	1.228.40
1.64.39	1.123.39	1.182.39	1.241.39	1.52.40	1.111.40	1.170.40	1.229.40
1.65.39	1.124.39	1.183.39	1.242.39	1.53.40	1.112.40	1.171.40	1.230.40
1.66.39	1.125.39	1.184.39	1.243.39	1.54.40	1.113.40	1.172.40	1.231.40
1.67.39	1.126.39	1.185.39	1.244.39	1.55.40	1.114.40	1.173.40	1.232.40
1.68.39	1.127.39	1.186.39	1.245.39	1.56.40	1.115.40	1.174.40	1.233.40
1.69.39	1.128.39	1.187.39	1.246.39	1.57.40	1.116.40	1.175.40	1.234.40
1.70.39	1.129.39	1.188.39	1.247.39	1.58.40	1.117.40	1.176.40	1.235.40
1.71.39	1.130.39	1.189.39	1.1.40	1.59.40	1.118.40	1.177.40	1.236.40
1.72.39	1.131.39	1.190.39	1.2.40	1.60.40	1.119.40	1.178.40	1.237.40
1.73.39	1.132.39	1.191.39	1.3.40	1.61.40	1.120.40	1.179.40	1.238.40
1.74.39	1.133.39	1.192.39	1.4.40	1.62.40	1.121.40	1.180.40	1.239.40
1.75.39	1.134.39	1.193.39	1.5.40	1.63.40	1.122.40	1.181.40	1.240.40
1.76.39	1.135.39	1.194.39	1.6.40	1.64.40	1.123.40	1.182.40	1.241.40
1.77.39	1.136.39	1.195.39	1.7.40	1.65.40	1.124.40	1.183.40	1.242.40
1.78.39	1.137.39	1.196.39	1.8.40	1.66.40	1.125.40	1.184.40	1.243.40
1.79.39	1.138.39	1.197.39	1.9.40	1.67.40	1.126.40	1.185.40	1.244.40
1.80.39	1.139.39	1.198.39	1.10.40	1.68.40	1.127.40	1.186.40	1.245.40
1.81.39	1.140.39	1.199.39	1.11.40	1.69.40	1.128.40	1.187.40	1.246.40
1.82.39	1.141.39	1.200.39	1.12.40	1.70.40	1.129.40	1.188.40	1.247.40
1.83.39	1.142.39	1.201.39	1.13.40	1.71.40	1.130.40	1.189.40	1.1.41
1.84.39	1.143.39	1.202.39	1.14.40	1.72.40	1.131.40	1.190.40	1.2.41
1.85.39	1.144.39	1.203.39	1.15.40	1.73.40	1.132.40	1.191.40	1.3.41
1.86.39	1.145.39	1.204.39	1.16.40	1.74.40	1.133.40	1.192.40	1.4.41
1.87.39	1.146.39	1.205.39	1.17.40	1.75.40	1.134.40	1.193.40	1.5.41
1.88.39	1.147.39	1.206.39	1.18.40	1.76.40	1.135.40	1.194.40	1.6.41
1.89.39	1.148.39	1.207.39	1.19.40	1.77.40	1.136.40	1.195.40	1.7.41
1.90.39	1.149.39	1.208.39	1.20.40	1.78.40	1.137.40	1.196.40	1.8.41
1.91.39	1.150.39	1.209.39	1.21.40	1.79.40	1.138.40	1.197.40	1.9.41
1.92.39	1.151.39	1.210.39	1.22.40	1.80.40	1.139.40	1.198.40	1.10.41
1.93.39	1.152.39	1.211.39	1.23.40	1.81.40	1.140.40	1.199.40	1.11.41
1.94.39	1.153.39	1.212.39	1.24.40	1.82.40	1.141.40	1.200.40	1.12.41
1.95.39	1.154.39	1.213.39	1.25.40	1.83.40	1.142.40	1.201.40	1.13.41
1.96.39	1.155.39	1.214.39	1.26.40	1.84.40	1.143.40	1.202.40	1.14.41
1.97.39	1.156.39	1.215.39	1.27.40	1.85.40	1.144.40	1.203.40	1.15.41
1.98.39	1.157.39	1.216.39	1.28.40	1.86.40	1.145.40	1.204.40	1.16.41
1.99.39	1.158.39	1.217.39	1.29.40	1.87.40	1.146.40	1.205.40	1.17.41
1.100.39	1.159.39	1.218.39	1.30.40	1.88.40	1.147.40	1.206.40	1.18.41
1.101.39	1.160.39	1.219.39	1.31.40	1.89.40	1.148.40	1.207.40	1.19.41
1.102.39	1.161.39	1.220.39	1.32.40	1.90.40	1.149.40	1.208.40	1.20.41
1.103.39	1.162.39	1.221.39	1.33.40	1.91.40	1.150.40	1.209.40	1.21.41
1.104.39	1.163.39	1.222.39	1.34.40	1.92.40	1.151.40	1.210.40	1.22.41
1.105.39	1.164.39	1.223.39	1.35.40	1.93.40	1.152.40	1.211.40	1.23.41
1.106.39	1.165.39	1.224.39	1.36.40	1.94.40	1.153.40	1.212.40	1.24.41
1.107.39	1.166.39	1.225.39	1.37.40	1.95.40	1.154.40	1.213.40	1.25.41
1.108.39	1.167.39	1.226.39	1.38.40	1.96.40	1.155.40	1.214.40	1.26.41
1.109.39	1.168.39	1.227.39	1.39.40	1.97.40	1.156.40	1.215.40	1.27.41
1.110.39	1.169.39	1.228.39	1.40.40	1.98.40	1.157.40	1.216.40	1.28.41
1.111.39	1.170.39	1.229.39	1.41.40	1.99.40	1.158.40	1.217.40	1.29.41
1.112.39	1.171.39	1.230.39	1.42.40	1.100.40	1.159.40	1.218.40	1.30.41
				1.101.40	1.160.40	1.219.40	1.31.41

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				1.21.42	1.80.42	1.139.42	1.198.42
1.33.41	1.92.41	1.151.41	1.210.41	1.22.42	1.81.42	1.140.42	1.199.42
1.34.41	1.93.41	1.152.41	1.211.41	1.23.42	1.82.42	1.141.42	1.200.42
1.35.41	1.94.41	1.153.41	1.212.41	1.24.42	1.83.42	1.142.42	1.201.42
1.36.41	1.95.41	1.154.41	1.213.41	1.25.42	1.84.42	1.143.42	1.202.42
1.37.41	1.96.41	1.155.41	1.214.41	1.26.42	1.85.42	1.144.42	1.203.42
1.38.41	1.97.41	1.156.41	1.215.41	1.27.42	1.86.42	1.145.42	1.204.42
1.39.41	1.98.41	1.157.41	1.216.41	1.28.42	1.87.42	1.146.42	1.205.42
1.40.41	1.99.41	1.158.41	1.217.41	1.29.42	1.88.42	1.147.42	1.206.42
1.41.41	1.100.41	1.159.41	1.218.41	1.30.42	1.89.42	1.148.42	1.207.42
1.42.41	1.101.41	1.160.41	1.219.41	1.31.42	1.90.42	1.149.42	1.208.42
1.43.41	1.102.41	1.161.41	1.220.41	1.32.42	1.91.42	1.150.42	1.209.42
1.44.41	1.103.41	1.162.41	1.221.41	1.33.42	1.92.42	1.151.42	1.210.42
1.45.41	1.104.41	1.163.41	1.222.41	1.34.42	1.93.42	1.152.42	1.211.42
1.46.41	1.105.41	1.164.41	1.223.41	1.35.42	1.94.42	1.153.42	1.212.42
1.47.41	1.106.41	1.165.41	1.224.41	1.36.42	1.95.42	1.154.42	1.213.42
1.48.41	1.107.41	1.166.41	1.225.41	1.37.42	1.96.42	1.155.42	1.214.42
1.49.41	1.108.41	1.167.41	1.226.41	1.38.42	1.97.42	1.156.42	1.215.42
1.50.41	1.109.41	1.168.41	1.227.41	1.39.42	1.98.42	1.157.42	1.216.42
1.51.41	1.110.41	1.169.41	1.228.41	1.40.42	1.99.42	1.158.42	1.217.42
1.52.41	1.111.41	1.170.41	1.229.41	1.41.42	1.100.42	1.159.42	1.218.42
1.53.41	1.112.41	1.171.41	1.230.41	1.42.42	1.101.42	1.160.42	1.219.42
1.54.41	1.113.41	1.172.41	1.231.41	1.43.42	1.102.42	1.161.42	1.220.42
1.55.41	1.114.41	1.173.41	1.232.41	1.44.42	1.103.42	1.162.42	1.221.42
1.56.41	1.115.41	1.174.41	1.233.41	1.45.42	1.104.42	1.163.42	1.222.42
1.57.41	1.116.41	1.175.41	1.234.41	1.46.42	1.105.42	1.164.42	1.223.42
1.58.41	1.117.41	1.176.41	1.235.41	1.47.42	1.106.42	1.165.42	1.224.42
1.59.41	1.118.41	1.177.41	1.236.41	1.48.42	1.107.42	1.166.42	1.225.42
1.60.41	1.119.41	1.178.41	1.237.41	1.49.42	1.108.42	1.167.42	1.226.42
1.61.41	1.120.41	1.179.41	1.238.41	1.50.42	1.109.42	1.168.42	1.227.42
1.62.41	1.121.41	1.180.41	1.239.41	1.51.42	1.110.42	1.169.42	1.228.42
1.63.41	1.122.41	1.181.41	1.240.41	1.52.42	1.111.42	1.170.42	1.229.42
1.64.41	1.123.41	1.182.41	1.241.41	1.53.42	1.112.42	1.171.42	1.230.42
1.65.41	1.124.41	1.183.41	1.242.41	1.54.42	1.113.42	1.172.42	1.231.42
1.66.41	1.125.41	1.184.41	1.243.41	1.55.42	1.114.42	1.173.42	1.232.42
1.67.41	1.126.41	1.185.41	1.244.41	1.56.42	1.115.42	1.174.42	1.233.42
1.68.41	1.127.41	1.186.41	1.245.41	1.57.42	1.116.42	1.175.42	1.234.42
1.69.41	1.128.41	1.187.41	1.246.41	1.58.42	1.117.42	1.176.42	1.235.42
1.70.41	1.129.41	1.188.41	1.247.41	1.59.42	1.118.42	1.177.42	1.236.42
1.71.41	1.130.41	1.189.41	1.1.42	1.60.42	1.119.42	1.178.42	1.237.42
1.72.41	1.131.41	1.190.41	1.2.42	1.61.42	1.120.42	1.179.42	1.238.42
1.73.41	1.132.41	1.191.41	1.3.42	1.62.42	1.121.42	1.180.42	1.239.42
1.74.41	1.133.41	1.192.41	1.4.42	1.63.42	1.122.42	1.181.42	1.240.42
1.75.41	1.134.41	1.193.41	1.5.42	1.64.42	1.123.42	1.182.42	1.241.42
1.76.41	1.135.41	1.194.41	1.6.42	1.65.42	1.124.42	1.183.42	1.242.42
1.77.41	1.136.41	1.195.41	1.7.42	1.66.42	1.125.42	1.184.42	1.243.42
1.78.41	1.137.41	1.196.41	1.8.42	1.67.42	1.126.42	1.185.42	1.244.42
1.79.41	1.138.41	1.197.41	1.9.42	1.68.42	1.127.42	1.186.42	1.245.42
1.80.41	1.139.41	1.198.41	1.10.42	1.69.42	1.128.42	1.187.42	1.246.42
1.81.41	1.140.41	1.199.41	1.11.42	1.70.42	1.129.42	1.188.42	1.247.42
1.82.41	1.141.41	1.200.41	1.12.42	1.71.42	1.130.42	1.189.42	1.1.43
1.83.41	1.142.41	1.201.41	1.13.42	1.72.42	1.131.42	1.190.42	1.2.43
1.84.41	1.143.41	1.202.41	1.14.42	1.73.42	1.132.42	1.191.42	1.3.43
1.85.41	1.144.41	1.203.41	1.15.42	1.74.42	1.133.42	1.192.42	1.4.43
1.86.41	1.145.41	1.204.41	1.16.42	1.75.42	1.134.42	1.193.42	1.5.43
1.87.41	1.146.41	1.205.41	1.17.42	1.76.42	1.135.42	1.194.42	1.6.43
1.88.41	1.147.41	1.206.41	1.18.42	1.77.42	1.136.42	1.195.42	1.7.43
1.89.41	1.148.41	1.207.41	1.19.42	1.78.42	1.137.42	1.196.42	1.8.43
1.90.41	1.149.41	1.208.41	1.20.42	1.79.42	1.138.42	1.197.42	1.9.43



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				1.246.43	1.58.44	1.117.44	1.176.44
1.11.43	1.70.43	1.129.43	1.188.43	1.247.43	1.59.44	1.118.44	1.177.44
1.12.43	1.71.43	1.130.43	1.189.43	1.1.44	1.60.44	1.119.44	1.178.44
1.13.43	1.72.43	1.131.43	1.190.43	1.2.44	1.61.44	1.120.44	1.179.44
1.14.43	1.73.43	1.132.43	1.191.43	1.3.44	1.62.44	1.121.44	1.180.44
1.15.43	1.74.43	1.133.43	1.192.43	1.4.44	1.63.44	1.122.44	1.181.44
1.16.43	1.75.43	1.134.43	1.193.43	1.5.44	1.64.44	1.123.44	1.182.44
1.17.43	1.76.43	1.135.43	1.194.43	1.6.44	1.65.44	1.124.44	1.183.44
1.18.43	1.77.43	1.136.43	1.195.43	1.7.44	1.66.44	1.125.44	1.184.44
1.19.43	1.78.43	1.137.43	1.196.43	1.8.44	1.67.44	1.126.44	1.185.44
1.20.43	1.79.43	1.138.43	1.197.43	1.9.44	1.68.44	1.127.44	1.186.44
1.21.43	1.80.43	1.139.43	1.198.43	1.10.44	1.69.44	1.128.44	1.187.44
1.22.43	1.81.43	1.140.43	1.199.43	1.11.44	1.70.44	1.129.44	1.188.44
1.23.43	1.82.43	1.141.43	1.200.43	1.12.44	1.71.44	1.130.44	1.189.44
1.24.43	1.83.43	1.142.43	1.201.43	1.13.44	1.72.44	1.131.44	1.190.44
1.25.43	1.84.43	1.143.43	1.202.43	1.14.44	1.73.44	1.132.44	1.191.44
1.26.43	1.85.43	1.144.43	1.203.43	1.15.44	1.74.44	1.133.44	1.192.44
1.27.43	1.86.43	1.145.43	1.204.43	1.16.44	1.75.44	1.134.44	1.193.44
1.28.43	1.87.43	1.146.43	1.205.43	1.17.44	1.76.44	1.135.44	1.194.44
1.29.43	1.88.43	1.147.43	1.206.43	1.18.44	1.77.44	1.136.44	1.195.44
1.30.43	1.89.43	1.148.43	1.207.43	1.19.44	1.78.44	1.137.44	1.196.44
1.31.43	1.90.43	1.149.43	1.208.43	1.20.44	1.79.44	1.138.44	1.197.44
1.32.43	1.91.43	1.150.43	1.209.43	1.21.44	1.80.44	1.139.44	1.198.44
1.33.43	1.92.43	1.151.43	1.210.43	1.22.44	1.81.44	1.140.44	1.199.44
1.34.43	1.93.43	1.152.43	1.211.43	1.23.44	1.82.44	1.141.44	1.200.44
1.35.43	1.94.43	1.153.43	1.212.43	1.24.44	1.83.44	1.142.44	1.201.44
1.36.43	1.95.43	1.154.43	1.213.43	1.25.44	1.84.44	1.143.44	1.202.44
1.37.43	1.96.43	1.155.43	1.214.43	1.26.44	1.85.44	1.144.44	1.203.44
1.38.43	1.97.43	1.156.43	1.215.43	1.27.44	1.86.44	1.145.44	1.204.44
1.39.43	1.98.43	1.157.43	1.216.43	1.28.44	1.87.44	1.146.44	1.205.44
1.40.43	1.99.43	1.158.43	1.217.43	1.29.44	1.88.44	1.147.44	1.206.44
1.41.43	1.100.43	1.159.43	1.218.43	1.30.44	1.89.44	1.148.44	1.207.44
1.42.43	1.101.43	1.160.43	1.219.43	1.31.44	1.90.44	1.149.44	1.208.44
1.43.43	1.102.43	1.161.43	1.220.43	1.32.44	1.91.44	1.150.44	1.209.44
1.44.43	1.103.43	1.162.43	1.221.43	1.33.44	1.92.44	1.151.44	1.210.44
1.45.43	1.104.43	1.163.43	1.222.43	1.34.44	1.93.44	1.152.44	1.211.44
1.46.43	1.105.43	1.164.43	1.223.43	1.35.44	1.94.44	1.153.44	1.212.44
1.47.43	1.106.43	1.165.43	1.224.43	1.36.44	1.95.44	1.154.44	1.213.44
1.48.43	1.107.43	1.166.43	1.225.43	1.37.44	1.96.44	1.155.44	1.214.44
1.49.43	1.108.43	1.167.43	1.226.43	1.38.44	1.97.44	1.156.44	1.215.44
1.50.43	1.109.43	1.168.43	1.227.43	1.39.44	1.98.44	1.157.44	1.216.44
1.51.43	1.110.43	1.169.43	1.228.43	1.40.44	1.99.44	1.158.44	1.217.44
1.52.43	1.111.43	1.170.43	1.229.43	1.41.44	1.100.44	1.159.44	1.218.44
1.53.43	1.112.43	1.171.43	1.230.43	1.42.44	1.101.44	1.160.44	1.219.44
1.54.43	1.113.43	1.172.43	1.231.43	1.43.44	1.102.44	1.161.44	1.220.44
1.55.43	1.114.43	1.173.43	1.232.43	1.44.44	1.103.44	1.162.44	1.221.44
1.56.43	1.115.43	1.174.43	1.233.43	1.45.44	1.104.44	1.163.44	1.222.44
1.57.43	1.116.43	1.175.43	1.234.43	1.46.44	1.105.44	1.164.44	1.223.44
1.58.43	1.117.43	1.176.43	1.235.43	1.47.44	1.106.44	1.165.44	1.224.44
1.59.43	1.118.43	1.177.43	1.236.43	1.48.44	1.107.44	1.166.44	1.225.44
1.60.43	1.119.43	1.178.43	1.237.43	1.49.44	1.108.44	1.167.44	1.226.44
1.61.43	1.120.43	1.179.43	1.238.43	1.50.44	1.109.44	1.168.44	1.227.44
1.62.43	1.121.43	1.180.43	1.239.43	1.51.44	1.110.44	1.169.44	1.228.44
1.63.43	1.122.43	1.181.43	1.240.43	1.52.44	1.111.44	1.170.44	1.229.44
1.64.43	1.123.43	1.182.43	1.241.43	1.53.44	1.112.44	1.171.44	1.230.44
1.65.43	1.124.43	1.183.43	1.242.43	1.54.44	1.113.44	1.172.44	1.231.44
1.66.43	1.125.43	1.184.43	1.243.43	1.55.44	1.114.44	1.173.44	1.232.44
1.67.43	1.126.43	1.185.43	1.244.43	1.56.44	1.115.44	1.174.44	1.233.44
1.68.43	1.127.43	1.186.43	1.245.43	1.57.44	1.116.44	1.175.44	1.234.44

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1.236.44	1.48.45	1.107.45	1.166.45	1.224.45	1.36.46	1.95.46	1.154.46
1.237.44	1.49.45	1.108.45	1.167.45	1.225.45	1.37.46	1.96.46	1.155.46
1.238.44	1.50.45	1.109.45	1.168.45	1.226.45	1.38.46	1.97.46	1.156.46
1.239.44	1.51.45	1.110.45	1.169.45	1.227.45	1.39.46	1.98.46	1.157.46
1.240.44	1.52.45	1.111.45	1.170.45	1.228.45	1.40.46	1.99.46	1.158.46
1.241.44	1.53.45	1.112.45	1.171.45	1.229.45	1.41.46	1.100.46	1.159.46
1.242.44	1.54.45	1.113.45	1.172.45	1.230.45	1.42.46	1.101.46	1.160.46
1.243.44	1.55.45	1.114.45	1.173.45	1.231.45	1.43.46	1.102.46	1.161.46
1.244.44	1.56.45	1.115.45	1.174.45	1.232.45	1.44.46	1.103.46	1.162.46
1.245.44	1.57.45	1.116.45	1.175.45	1.233.45	1.45.46	1.104.46	1.163.46
1.246.44	1.58.45	1.117.45	1.176.45	1.234.45	1.46.46	1.105.46	1.164.46
1.247.44	1.59.45	1.118.45	1.177.45	1.235.45	1.47.46	1.106.46	1.165.46
1.1.45	1.60.45	1.119.45	1.178.45	1.236.45	1.48.46	1.107.46	1.166.46
1.2.45	1.61.45	1.120.45	1.179.45	1.237.45	1.49.46	1.108.46	1.167.46
1.3.45	1.62.45	1.121.45	1.180.45	1.238.45	1.50.46	1.109.46	1.168.46
1.4.45	1.63.45	1.122.45	1.181.45	1.239.45	1.51.46	1.110.46	1.169.46
1.5.45	1.64.45	1.123.45	1.182.45	1.240.45	1.52.46	1.111.46	1.170.46
1.6.45	1.65.45	1.124.45	1.183.45	1.241.45	1.53.46	1.112.46	1.171.46
1.7.45	1.66.45	1.125.45	1.184.45	1.242.45	1.54.46	1.113.46	1.172.46
1.8.45	1.67.45	1.126.45	1.185.45	1.243.45	1.55.46	1.114.46	1.173.46
1.9.45	1.68.45	1.127.45	1.186.45	1.244.45	1.56.46	1.115.46	1.174.46
1.10.45	1.69.45	1.128.45	1.187.45	1.245.45	1.57.46	1.116.46	1.175.46
1.11.45	1.70.45	1.129.45	1.188.45	1.246.45	1.58.46	1.117.46	1.176.46
1.12.45	1.71.45	1.130.45	1.189.45	1.247.45	1.59.46	1.118.46	1.177.46
1.13.45	1.72.45	1.131.45	1.190.45	1.1.46	1.60.46	1.119.46	1.178.46
1.14.45	1.73.45	1.132.45	1.191.45	1.2.46	1.61.46	1.120.46	1.179.46
1.15.45	1.74.45	1.133.45	1.192.45	1.3.46	1.62.46	1.121.46	1.180.46
1.16.45	1.75.45	1.134.45	1.193.45	1.4.46	1.63.46	1.122.46	1.181.46
1.17.45	1.76.45	1.135.45	1.194.45	1.5.46	1.64.46	1.123.46	1.182.46
1.18.45	1.77.45	1.136.45	1.195.45	1.6.46	1.65.46	1.124.46	1.183.46
1.19.45	1.78.45	1.137.45	1.196.45	1.7.46	1.66.46	1.125.46	1.184.46
1.20.45	1.79.45	1.138.45	1.197.45	1.8.46	1.67.46	1.126.46	1.185.46
1.21.45	1.80.45	1.139.45	1.198.45	1.9.46	1.68.46	1.127.46	1.186.46
1.22.45	1.81.45	1.140.45	1.199.45	1.10.46	1.69.46	1.128.46	1.187.46
1.23.45	1.82.45	1.141.45	1.200.45	1.11.46	1.70.46	1.129.46	1.188.46
1.24.45	1.83.45	1.142.45	1.201.45	1.12.46	1.71.46	1.130.46	1.189.46
1.25.45	1.84.45	1.143.45	1.202.45	1.13.46	1.72.46	1.131.46	1.190.46
1.26.45	1.85.45	1.144.45	1.203.45	1.14.46	1.73.46	1.132.46	1.191.46
1.27.45	1.86.45	1.145.45	1.204.45	1.15.46	1.74.46	1.133.46	1.192.46
1.28.45	1.87.45	1.146.45	1.205.45	1.16.46	1.75.46	1.134.46	1.193.46
1.29.45	1.88.45	1.147.45	1.206.45	1.17.46	1.76.46	1.135.46	1.194.46
1.30.45	1.89.45	1.148.45	1.207.45	1.18.46	1.77.46	1.136.46	1.195.46
1.31.45	1.90.45	1.149.45	1.208.45	1.19.46	1.78.46	1.137.46	1.196.46
1.32.45	1.91.45	1.150.45	1.209.45	1.20.46	1.79.46	1.138.46	1.197.46
1.33.45	1.92.45	1.151.45	1.210.45	1.21.46	1.80.46	1.139.46	1.198.46
1.34.45	1.93.45	1.152.45	1.211.45	1.22.46	1.81.46	1.140.46	1.199.46
1.35.45	1.94.45	1.153.45	1.212.45	1.23.46	1.82.46	1.141.46	1.200.46
1.36.45	1.95.45	1.154.45	1.213.45	1.24.46	1.83.46	1.142.46	1.201.46
1.37.45	1.96.45	1.155.45	1.214.45	1.25.46	1.84.46	1.143.46	1.202.46
1.38.45	1.97.45	1.156.45	1.215.45	1.26.46	1.85.46	1.144.46	1.203.46
1.39.45	1.98.45	1.157.45	1.216.45	1.27.46	1.86.46	1.145.46	1.204.46
1.40.45	1.99.45	1.158.45	1.217.45	1.28.46	1.87.46	1.146.46	1.205.46
1.41.45	1.100.45	1.159.45	1.218.45	1.29.46	1.88.46	1.147.46	1.206.46
1.42.45	1.101.45	1.160.45	1.219.45	1.30.46	1.89.46	1.148.46	1.207.46
1.43.45	1.102.45	1.161.45	1.220.45	1.31.46	1.90.46	1.149.46	1.208.46
1.44.45	1.103.45	1.162.45	1.221.45	1.32.46	1.91.46	1.150.46	1.209.46
1.45.45	1.104.45	1.163.45	1.222.45	1.33.46	1.92.46	1.151.46	1.210.46
1.46.45	1.105.45	1.164.45	1.223.45	1.34.46	1.93.46	1.152.46	1.211.46
				1.35.46	1.94.46	1.153.46	1.212.46

				1.202.47	1.14.48	1.73.48	1.132.48
1.214.46	1.26.47	1.85.47	1.144.47	1.203.47	1.15.48	1.74.48	1.133.48
1.215.46	1.27.47	1.86.47	1.145.47	1.204.47	1.16.48	1.75.48	1.134.48
1.216.46	1.28.47	1.87.47	1.146.47	1.205.47	1.17.48	1.76.48	1.135.48
1.217.46	1.29.47	1.88.47	1.147.47	1.206.47	1.18.48	1.77.48	1.136.48
1.218.46	1.30.47	1.89.47	1.148.47	1.207.47	1.19.48	1.78.48	1.137.48
1.219.46	1.31.47	1.90.47	1.149.47	1.208.47	1.20.48	1.79.48	1.138.48
1.220.46	1.32.47	1.91.47	1.150.47	1.209.47	1.21.48	1.80.48	1.139.48
1.221.46	1.33.47	1.92.47	1.151.47	1.210.47	1.22.48	1.81.48	1.140.48
1.222.46	1.34.47	1.93.47	1.152.47	1.211.47	1.23.48	1.82.48	1.141.48
1.223.46	1.35.47	1.94.47	1.153.47	1.212.47	1.24.48	1.83.48	1.142.48
1.224.46	1.36.47	1.95.47	1.154.47	1.213.47	1.25.48	1.84.48	1.143.48
1.225.46	1.37.47	1.96.47	1.155.47	1.214.47	1.26.48	1.85.48	1.144.48
1.226.46	1.38.47	1.97.47	1.156.47	1.215.47	1.27.48	1.86.48	1.145.48
1.227.46	1.39.47	1.98.47	1.157.47	1.216.47	1.28.48	1.87.48	1.146.48
1.228.46	1.40.47	1.99.47	1.158.47	1.217.47	1.29.48	1.88.48	1.147.48
1.229.46	1.41.47	1.100.47	1.159.47	1.218.47	1.30.48	1.89.48	1.148.48
1.230.46	1.42.47	1.101.47	1.160.47	1.219.47	1.31.48	1.90.48	1.149.48
1.231.46	1.43.47	1.102.47	1.161.47	1.220.47	1.32.48	1.91.48	1.150.48
1.232.46	1.44.47	1.103.47	1.162.47	1.221.47	1.33.48	1.92.48	1.151.48
1.233.46	1.45.47	1.104.47	1.163.47	1.222.47	1.34.48	1.93.48	1.152.48
1.234.46	1.46.47	1.105.47	1.164.47	1.223.47	1.35.48	1.94.48	1.153.48
1.235.46	1.47.47	1.106.47	1.165.47	1.224.47	1.36.48	1.95.48	1.154.48
1.236.46	1.48.47	1.107.47	1.166.47	1.225.47	1.37.48	1.96.48	1.155.48
1.237.46	1.49.47	1.108.47	1.167.47	1.226.47	1.38.48	1.97.48	1.156.48
1.238.46	1.50.47	1.109.47	1.168.47	1.227.47	1.39.48	1.98.48	1.157.48
1.239.46	1.51.47	1.110.47	1.169.47	1.228.47	1.40.48	1.99.48	1.158.48
1.240.46	1.52.47	1.111.47	1.170.47	1.229.47	1.41.48	1.100.48	1.159.48
1.241.46	1.53.47	1.112.47	1.171.47	1.230.47	1.42.48	1.101.48	1.160.48
1.242.46	1.54.47	1.113.47	1.172.47	1.231.47	1.43.48	1.102.48	1.161.48
1.243.46	1.55.47	1.114.47	1.173.47	1.232.47	1.44.48	1.103.48	1.162.48
1.244.46	1.56.47	1.115.47	1.174.47	1.233.47	1.45.48	1.104.48	1.163.48
1.245.46	1.57.47	1.116.47	1.175.47	1.234.47	1.46.48	1.105.48	1.164.48
1.246.46	1.58.47	1.117.47	1.176.47	1.235.47	1.47.48	1.106.48	1.165.48
1.247.46	1.59.47	1.118.47	1.177.47	1.236.47	1.48.48	1.107.48	1.166.48
1.1.47	1.60.47	1.119.47	1.178.47	1.237.47	1.49.48	1.108.48	1.167.48
1.2.47	1.61.47	1.120.47	1.179.47	1.238.47	1.50.48	1.109.48	1.168.48
1.3.47	1.62.47	1.121.47	1.180.47	1.239.47	1.51.48	1.110.48	1.169.48
1.4.47	1.63.47	1.122.47	1.181.47	1.240.47	1.52.48	1.111.48	1.170.48
1.5.47	1.64.47	1.123.47	1.182.47	1.241.47	1.53.48	1.112.48	1.171.48
1.6.47	1.65.47	1.124.47	1.183.47	1.242.47	1.54.48	1.113.48	1.172.48
1.7.47	1.66.47	1.125.47	1.184.47	1.243.47	1.55.48	1.114.48	1.173.48
1.8.47	1.67.47	1.126.47	1.185.47	1.244.47	1.56.48	1.115.48	1.174.48
1.9.47	1.68.47	1.127.47	1.186.47	1.245.47	1.57.48	1.116.48	1.175.48
1.10.47	1.69.47	1.128.47	1.187.47	1.246.47	1.58.48	1.117.48	1.176.48
1.11.47	1.70.47	1.129.47	1.188.47	1.247.47	1.59.48	1.118.48	1.177.48
1.12.47	1.71.47	1.130.47	1.189.47	1.1.48	1.60.48	1.119.48	1.178.48
1.13.47	1.72.47	1.131.47	1.190.47	1.2.48	1.61.48	1.120.48	1.179.48
1.14.47	1.73.47	1.132.47	1.191.47	1.3.48	1.62.48	1.121.48	1.180.48
1.15.47	1.74.47	1.133.47	1.192.47	1.4.48	1.63.48	1.122.48	1.181.48
1.16.47	1.75.47	1.134.47	1.193.47	1.5.48	1.64.48	1.123.48	1.182.48
1.17.47	1.76.47	1.135.47	1.194.47	1.6.48	1.65.48	1.124.48	1.183.48
1.18.47	1.77.47	1.136.47	1.195.47	1.7.48	1.66.48	1.125.48	1.184.48
1.19.47	1.78.47	1.137.47	1.196.47	1.8.48	1.67.48	1.126.48	1.185.48
1.20.47	1.79.47	1.138.47	1.197.47	1.9.48	1.68.48	1.127.48	1.186.48
1.21.47	1.80.47	1.139.47	1.198.47	1.10.48	1.69.48	1.128.48	1.187.48
1.22.47	1.81.47	1.140.47	1.199.47	1.11.48	1.70.48	1.129.48	1.188.48
1.23.47	1.82.47	1.141.47	1.200.47	1.12.48	1.71.48	1.130.48	1.189.48
1.24.47	1.83.47	1.142.47	1.201.47	1.13.48	1.72.48	1.131.48	1.190.48

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				1.180.49	1.239.49	1.51.50	1.110.50
1.192.48	1.4.49	1.63.49	1.122.49	1.181.49	1.240.49	1.52.50	1.111.50
1.193.48	1.5.49	1.64.49	1.123.49	1.182.49	1.241.49	1.53.50	1.112.50
1.194.48	1.6.49	1.65.49	1.124.49	1.183.49	1.242.49	1.54.50	1.113.50
1.195.48	1.7.49	1.66.49	1.125.49	1.184.49	1.243.49	1.55.50	1.114.50
1.196.48	1.8.49	1.67.49	1.126.49	1.185.49	1.244.49	1.56.50	1.115.50
1.197.48	1.9.49	1.68.49	1.127.49	1.186.49	1.245.49	1.57.50	1.116.50
1.198.48	1.10.49	1.69.49	1.128.49	1.187.49	1.246.49	1.58.50	1.117.50
1.199.48	1.11.49	1.70.49	1.129.49	1.188.49	1.247.49	1.59.50	1.118.50
1.200.48	1.12.49	1.71.49	1.130.49	1.189.49	1.1.50	1.60.50	1.119.50
1.201.48	1.13.49	1.72.49	1.131.49	1.190.49	1.2.50	1.61.50	1.120.50
1.202.48	1.14.49	1.73.49	1.132.49	1.191.49	1.3.50	1.62.50	1.121.50
1.203.48	1.15.49	1.74.49	1.133.49	1.192.49	1.4.50	1.63.50	1.122.50
1.204.48	1.16.49	1.75.49	1.134.49	1.193.49	1.5.50	1.64.50	1.123.50
1.205.48	1.17.49	1.76.49	1.135.49	1.194.49	1.6.50	1.65.50	1.124.50
1.206.48	1.18.49	1.77.49	1.136.49	1.195.49	1.7.50	1.66.50	1.125.50
1.207.48	1.19.49	1.78.49	1.137.49	1.196.49	1.8.50	1.67.50	1.126.50
1.208.48	1.20.49	1.79.49	1.138.49	1.197.49	1.9.50	1.68.50	1.127.50
1.209.48	1.21.49	1.80.49	1.139.49	1.198.49	1.10.50	1.69.50	1.128.50
1.210.48	1.22.49	1.81.49	1.140.49	1.199.49	1.11.50	1.70.50	1.129.50
1.211.48	1.23.49	1.82.49	1.141.49	1.200.49	1.12.50	1.71.50	1.130.50
1.212.48	1.24.49	1.83.49	1.142.49	1.201.49	1.13.50	1.72.50	1.131.50
1.213.48	1.25.49	1.84.49	1.143.49	1.202.49	1.14.50	1.73.50	1.132.50
1.214.48	1.26.49	1.85.49	1.144.49	1.203.49	1.15.50	1.74.50	1.133.50
1.215.48	1.27.49	1.86.49	1.145.49	1.204.49	1.16.50	1.75.50	1.134.50
1.216.48	1.28.49	1.87.49	1.146.49	1.205.49	1.17.50	1.76.50	1.135.50
1.217.48	1.29.49	1.88.49	1.147.49	1.206.49	1.18.50	1.77.50	1.136.50
1.218.48	1.30.49	1.89.49	1.148.49	1.207.49	1.19.50	1.78.50	1.137.50
1.219.48	1.31.49	1.90.49	1.149.49	1.208.49	1.20.50	1.79.50	1.138.50
1.220.48	1.32.49	1.91.49	1.150.49	1.209.49	1.21.50	1.80.50	1.139.50
1.221.48	1.33.49	1.92.49	1.151.49	1.210.49	1.22.50	1.81.50	1.140.50
1.222.48	1.34.49	1.93.49	1.152.49	1.211.49	1.23.50	1.82.50	1.141.50
1.223.48	1.35.49	1.94.49	1.153.49	1.212.49	1.24.50	1.83.50	1.142.50
1.224.48	1.36.49	1.95.49	1.154.49	1.213.49	1.25.50	1.84.50	1.143.50
1.225.48	1.37.49	1.96.49	1.155.49	1.214.49	1.26.50	1.85.50	1.144.50
1.226.48	1.38.49	1.97.49	1.156.49	1.215.49	1.27.50	1.86.50	1.145.50
1.227.48	1.39.49	1.98.49	1.157.49	1.216.49	1.28.50	1.87.50	1.146.50
1.228.48	1.40.49	1.99.49	1.158.49	1.217.49	1.29.50	1.88.50	1.147.50
1.229.48	1.41.49	1.100.49	1.159.49	1.218.49	1.30.50	1.89.50	1.148.50
1.230.48	1.42.49	1.101.49	1.160.49	1.219.49	1.31.50	1.90.50	1.149.50
1.231.48	1.43.49	1.102.49	1.161.49	1.220.49	1.32.50	1.91.50	1.150.50
1.232.48	1.44.49	1.103.49	1.162.49	1.221.49	1.33.50	1.92.50	1.151.50
1.233.48	1.45.49	1.104.49	1.163.49	1.222.49	1.34.50	1.93.50	1.152.50
1.234.48	1.46.49	1.105.49	1.164.49	1.223.49	1.35.50	1.94.50	1.153.50
1.235.48	1.47.49	1.106.49	1.165.49	1.224.49	1.36.50	1.95.50	1.154.50
1.236.48	1.48.49	1.107.49	1.166.49	1.225.49	1.37.50	1.96.50	1.155.50
1.237.48	1.49.49	1.108.49	1.167.49	1.226.49	1.38.50	1.97.50	1.156.50
1.238.48	1.50.49	1.109.49	1.168.49	1.227.49	1.39.50	1.98.50	1.157.50
1.239.48	1.51.49	1.110.49	1.169.49	1.228.49	1.40.50	1.99.50	1.158.50
1.240.48	1.52.49	1.111.49	1.170.49	1.229.49	1.41.50	1.100.50	1.159.50
1.241.48	1.53.49	1.112.49	1.171.49	1.230.49	1.42.50	1.101.50	1.160.50
1.242.48	1.54.49	1.113.49	1.172.49	1.231.49	1.43.50	1.102.50	1.161.50
1.243.48	1.55.49	1.114.49	1.173.49	1.232.49	1.44.50	1.103.50	1.162.50
1.244.48	1.56.49	1.115.49	1.174.49	1.233.49	1.45.50	1.104.50	1.163.50
1.245.48	1.57.49	1.116.49	1.175.49	1.234.49	1.46.50	1.105.50	1.164.50
1.246.48	1.58.49	1.117.49	1.176.49	1.235.49	1.47.50	1.106.50	1.165.50
1.247.48	1.59.49	1.118.49	1.177.49	1.236.49	1.48.50	1.107.50	1.166.50
1.1.49	1.60.49	1.119.49	1.178.49	1.237.49	1.49.50	1.108.50	1.167.50
1.2.49	1.61.49	1.120.49	1.179.49	1.238.49	1.50.50	1.109.50	1.168.50

				1.158.51	1.217.51	1.29.52	1.88.52
1.170.50	1.229.50	1.41.51	1.100.51	1.159.51	1.218.51	1.30.52	1.89.52
1.171.50	1.230.50	1.42.51	1.101.51	1.160.51	1.219.51	1.31.52	1.90.52
1.172.50	1.231.50	1.43.51	1.102.51	1.161.51	1.220.51	1.32.52	1.91.52
1.173.50	1.232.50	1.44.51	1.103.51	1.162.51	1.221.51	1.33.52	1.92.52
1.174.50	1.233.50	1.45.51	1.104.51	1.163.51	1.222.51	1.34.52	1.93.52
1.175.50	1.234.50	1.46.51	1.105.51	1.164.51	1.223.51	1.35.52	1.94.52
1.176.50	1.235.50	1.47.51	1.106.51	1.165.51	1.224.51	1.36.52	1.95.52
1.177.50	1.236.50	1.48.51	1.107.51	1.166.51	1.225.51	1.37.52	1.96.52
1.178.50	1.237.50	1.49.51	1.108.51	1.167.51	1.226.51	1.38.52	1.97.52
1.179.50	1.238.50	1.50.51	1.109.51	1.168.51	1.227.51	1.39.52	1.98.52
1.180.50	1.239.50	1.51.51	1.110.51	1.169.51	1.228.51	1.40.52	1.99.52
1.181.50	1.240.50	1.52.51	1.111.51	1.170.51	1.229.51	1.41.52	1.100.52
1.182.50	1.241.50	1.53.51	1.112.51	1.171.51	1.230.51	1.42.52	1.101.52
1.183.50	1.242.50	1.54.51	1.113.51	1.172.51	1.231.51	1.43.52	1.102.52
1.184.50	1.243.50	1.55.51	1.114.51	1.173.51	1.232.51	1.44.52	1.103.52
1.185.50	1.244.50	1.56.51	1.115.51	1.174.51	1.233.51	1.45.52	1.104.52
1.186.50	1.245.50	1.57.51	1.116.51	1.175.51	1.234.51	1.46.52	1.105.52
1.187.50	1.246.50	1.58.51	1.117.51	1.176.51	1.235.51	1.47.52	1.106.52
1.188.50	1.247.50	1.59.51	1.118.51	1.177.51	1.236.51	1.48.52	1.107.52
1.189.50	1.1.51	1.60.51	1.119.51	1.178.51	1.237.51	1.49.52	1.108.52
1.190.50	1.2.51	1.61.51	1.120.51	1.179.51	1.238.51	1.50.52	1.109.52
1.191.50	1.3.51	1.62.51	1.121.51	1.180.51	1.239.51	1.51.52	1.110.52
1.192.50	1.4.51	1.63.51	1.122.51	1.181.51	1.240.51	1.52.52	1.111.52
1.193.50	1.5.51	1.64.51	1.123.51	1.182.51	1.241.51	1.53.52	1.112.52
1.194.50	1.6.51	1.65.51	1.124.51	1.183.51	1.242.51	1.54.52	1.113.52
1.195.50	1.7.51	1.66.51	1.125.51	1.184.51	1.243.51	1.55.52	1.114.52
1.196.50	1.8.51	1.67.51	1.126.51	1.185.51	1.244.51	1.56.52	1.115.52
1.197.50	1.9.51	1.68.51	1.127.51	1.186.51	1.245.51	1.57.52	1.116.52
1.198.50	1.10.51	1.69.51	1.128.51	1.187.51	1.246.51	1.58.52	1.117.52
1.199.50	1.11.51	1.70.51	1.129.51	1.188.51	1.247.51	1.59.52	1.118.52
1.200.50	1.12.51	1.71.51	1.130.51	1.189.51	1.1.52	1.60.52	1.119.52
1.201.50	1.13.51	1.72.51	1.131.51	1.190.51	1.2.52	1.61.52	1.120.52
1.202.50	1.14.51	1.73.51	1.132.51	1.191.51	1.3.52	1.62.52	1.121.52
1.203.50	1.15.51	1.74.51	1.133.51	1.192.51	1.4.52	1.63.52	1.122.52
1.204.50	1.16.51	1.75.51	1.134.51	1.193.51	1.5.52	1.64.52	1.123.52
1.205.50	1.17.51	1.76.51	1.135.51	1.194.51	1.6.52	1.65.52	1.124.52
1.206.50	1.18.51	1.77.51	1.136.51	1.195.51	1.7.52	1.66.52	1.125.52
1.207.50	1.19.51	1.78.51	1.137.51	1.196.51	1.8.52	1.67.52	1.126.52
1.208.50	1.20.51	1.79.51	1.138.51	1.197.51	1.9.52	1.68.52	1.127.52
1.209.50	1.21.51	1.80.51	1.139.51	1.198.51	1.10.52	1.69.52	1.128.52
1.210.50	1.22.51	1.81.51	1.140.51	1.199.51	1.11.52	1.70.52	1.129.52
1.211.50	1.23.51	1.82.51	1.141.51	1.200.51	1.12.52	1.71.52	1.130.52
1.212.50	1.24.51	1.83.51	1.142.51	1.201.51	1.13.52	1.72.52	1.131.52
1.213.50	1.25.51	1.84.51	1.143.51	1.202.51	1.14.52	1.73.52	1.132.52
1.214.50	1.26.51	1.85.51	1.144.51	1.203.51	1.15.52	1.74.52	1.133.52
1.215.50	1.27.51	1.86.51	1.145.51	1.204.51	1.16.52	1.75.52	1.134.52
1.216.50	1.28.51	1.87.51	1.146.51	1.205.51	1.17.52	1.76.52	1.135.52
1.217.50	1.29.51	1.88.51	1.147.51	1.206.51	1.18.52	1.77.52	1.136.52
1.218.50	1.30.51	1.89.51	1.148.51	1.207.51	1.19.52	1.78.52	1.137.52
1.219.50	1.31.51	1.90.51	1.149.51	1.208.51	1.20.52	1.79.52	1.138.52
1.220.50	1.32.51	1.91.51	1.150.51	1.209.51	1.21.52	1.80.52	1.139.52
1.221.50	1.33.51	1.92.51	1.151.51	1.210.51	1.22.52	1.81.52	1.140.52
1.222.50	1.34.51	1.93.51	1.152.51	1.211.51	1.23.52	1.82.52	1.141.52
1.223.50	1.35.51	1.94.51	1.153.51	1.212.51	1.24.52	1.83.52	1.142.52
1.224.50	1.36.51	1.95.51	1.154.51	1.213.51	1.25.52	1.84.52	1.143.52
1.225.50	1.37.51	1.96.51	1.155.51	1.214.51	1.26.52	1.85.52	1.144.52
1.226.50	1.38.51	1.97.51	1.156.51	1.215.51	1.27.52	1.86.52	1.145.52
1.227.50	1.39.51	1.98.51	1.157.51	1.216.51	1.28.52	1.87.52	1.146.52

				1.136.53	1.195.53	1.7.54	1.66.54
1.148.52	1.207.52	1.19.53	1.78.53	1.137.53	1.196.53	1.8.54	1.67.54
1.149.52	1.208.52	1.20.53	1.79.53	1.138.53	1.197.53	1.9.54	1.68.54
1.150.52	1.209.52	1.21.53	1.80.53	1.139.53	1.198.53	1.10.54	1.69.54
1.151.52	1.210.52	1.22.53	1.81.53	1.140.53	1.199.53	1.11.54	1.70.54
1.152.52	1.211.52	1.23.53	1.82.53	1.141.53	1.200.53	1.12.54	1.71.54
1.153.52	1.212.52	1.24.53	1.83.53	1.142.53	1.201.53	1.13.54	1.72.54
1.154.52	1.213.52	1.25.53	1.84.53	1.143.53	1.202.53	1.14.54	1.73.54
1.155.52	1.214.52	1.26.53	1.85.53	1.144.53	1.203.53	1.15.54	1.74.54
1.156.52	1.215.52	1.27.53	1.86.53	1.145.53	1.204.53	1.16.54	1.75.54
1.157.52	1.216.52	1.28.53	1.87.53	1.146.53	1.205.53	1.17.54	1.76.54
1.158.52	1.217.52	1.29.53	1.88.53	1.147.53	1.206.53	1.18.54	1.77.54
1.159.52	1.218.52	1.30.53	1.89.53	1.148.53	1.207.53	1.19.54	1.78.54
1.160.52	1.219.52	1.31.53	1.90.53	1.149.53	1.208.53	1.20.54	1.79.54
1.161.52	1.220.52	1.32.53	1.91.53	1.150.53	1.209.53	1.21.54	1.80.54
1.162.52	1.221.52	1.33.53	1.92.53	1.151.53	1.210.53	1.22.54	1.81.54
1.163.52	1.222.52	1.34.53	1.93.53	1.152.53	1.211.53	1.23.54	1.82.54
1.164.52	1.223.52	1.35.53	1.94.53	1.153.53	1.212.53	1.24.54	1.83.54
1.165.52	1.224.52	1.36.53	1.95.53	1.154.53	1.213.53	1.25.54	1.84.54
1.166.52	1.225.52	1.37.53	1.96.53	1.155.53	1.214.53	1.26.54	1.85.54
1.167.52	1.226.52	1.38.53	1.97.53	1.156.53	1.215.53	1.27.54	1.86.54
1.168.52	1.227.52	1.39.53	1.98.53	1.157.53	1.216.53	1.28.54	1.87.54
1.169.52	1.228.52	1.40.53	1.99.53	1.158.53	1.217.53	1.29.54	1.88.54
1.170.52	1.229.52	1.41.53	1.100.53	1.159.53	1.218.53	1.30.54	1.89.54
1.171.52	1.230.52	1.42.53	1.101.53	1.160.53	1.219.53	1.31.54	1.90.54
1.172.52	1.231.52	1.43.53	1.102.53	1.161.53	1.220.53	1.32.54	1.91.54
1.173.52	1.232.52	1.44.53	1.103.53	1.162.53	1.221.53	1.33.54	1.92.54
1.174.52	1.233.52	1.45.53	1.104.53	1.163.53	1.222.53	1.34.54	1.93.54
1.175.52	1.234.52	1.46.53	1.105.53	1.164.53	1.223.53	1.35.54	1.94.54
1.176.52	1.235.52	1.47.53	1.106.53	1.165.53	1.224.53	1.36.54	1.95.54
1.177.52	1.236.52	1.48.53	1.107.53	1.166.53	1.225.53	1.37.54	1.96.54
1.178.52	1.237.52	1.49.53	1.108.53	1.167.53	1.226.53	1.38.54	1.97.54
1.179.52	1.238.52	1.50.53	1.109.53	1.168.53	1.227.53	1.39.54	1.98.54
1.180.52	1.239.52	1.51.53	1.110.53	1.169.53	1.228.53	1.40.54	1.99.54
1.181.52	1.240.52	1.52.53	1.111.53	1.170.53	1.229.53	1.41.54	1.100.54
1.182.52	1.241.52	1.53.53	1.112.53	1.171.53	1.230.53	1.42.54	1.101.54
1.183.52	1.242.52	1.54.53	1.113.53	1.172.53	1.231.53	1.43.54	1.102.54
1.184.52	1.243.52	1.55.53	1.114.53	1.173.53	1.232.53	1.44.54	1.103.54
1.185.52	1.244.52	1.56.53	1.115.53	1.174.53	1.233.53	1.45.54	1.104.54
1.186.52	1.245.52	1.57.53	1.116.53	1.175.53	1.234.53	1.46.54	1.105.54
1.187.52	1.246.52	1.58.53	1.117.53	1.176.53	1.235.53	1.47.54	1.106.54
1.188.52	1.247.52	1.59.53	1.118.53	1.177.53	1.236.53	1.48.54	1.107.54
1.189.52	1.1.53	1.60.53	1.119.53	1.178.53	1.237.53	1.49.54	1.108.54
1.190.52	1.2.53	1.61.53	1.120.53	1.179.53	1.238.53	1.50.54	1.109.54
1.191.52	1.3.53	1.62.53	1.121.53	1.180.53	1.239.53	1.51.54	1.110.54
1.192.52	1.4.53	1.63.53	1.122.53	1.181.53	1.240.53	1.52.54	1.111.54
1.193.52	1.5.53	1.64.53	1.123.53	1.182.53	1.241.53	1.53.54	1.112.54
1.194.52	1.6.53	1.65.53	1.124.53	1.183.53	1.242.53	1.54.54	1.113.54
1.195.52	1.7.53	1.66.53	1.125.53	1.184.53	1.243.53	1.55.54	1.114.54
1.196.52	1.8.53	1.67.53	1.126.53	1.185.53	1.244.53	1.56.54	1.115.54
1.197.52	1.9.53	1.68.53	1.127.53	1.186.53	1.245.53	1.57.54	1.116.54
1.198.52	1.10.53	1.69.53	1.128.53	1.187.53	1.246.53	1.58.54	1.117.54
1.199.52	1.11.53	1.70.53	1.129.53	1.188.53	1.247.53	1.59.54	1.118.54
1.200.52	1.12.53	1.71.53	1.130.53	1.189.53	1.1.54	1.60.54	1.119.54
1.201.52	1.13.53	1.72.53	1.131.53	1.190.53	1.2.54	1.61.54	1.120.54
1.202.52	1.14.53	1.73.53	1.132.53	1.191.53	1.3.54	1.62.54	1.121.54
1.203.52	1.15.53	1.74.53	1.133.53	1.192.53	1.4.54	1.63.54	1.122.54
1.204.52	1.16.53	1.75.53	1.134.53	1.193.53	1.5.54	1.64.54	1.123.54
1.205.52	1.17.53	1.76.53	1.135.53	1.194.53	1.6.54	1.65.54	1.124.54

1.125.54	1.187.54	1.249.54	1.55.55	1.114.55	1.173.55	1.232.55	1.44.56
1.126.54	1.185.54	1.244.54	1.56.55	1.115.55	1.174.55	1.233.55	1.45.56
1.127.54	1.186.54	1.245.54	1.57.55	1.116.55	1.175.55	1.234.55	1.46.56
1.128.54	1.187.54	1.246.54	1.58.55	1.117.55	1.176.55	1.235.55	1.47.56
1.129.54	1.188.54	1.247.54	1.59.55	1.118.55	1.177.55	1.236.55	1.48.56
1.130.54	1.189.54	1.1.55	1.60.55	1.119.55	1.178.55	1.237.55	1.49.56
1.131.54	1.190.54	1.2.55	1.61.55	1.120.55	1.179.55	1.238.55	1.50.56
1.132.54	1.191.54	1.3.55	1.62.55	1.121.55	1.180.55	1.239.55	1.51.56
1.133.54	1.192.54	1.4.55	1.63.55	1.122.55	1.181.55	1.240.55	1.52.56
1.134.54	1.193.54	1.5.55	1.64.55	1.123.55	1.182.55	1.241.55	1.53.56
1.135.54	1.194.54	1.6.55	1.65.55	1.124.55	1.183.55	1.242.55	1.54.56
1.136.54	1.195.54	1.7.55	1.66.55	1.125.55	1.184.55	1.243.55	1.55.56
1.137.54	1.196.54	1.8.55	1.67.55	1.126.55	1.185.55	1.244.55	1.56.56
1.138.54	1.197.54	1.9.55	1.68.55	1.127.55	1.186.55	1.245.55	1.57.56
1.139.54	1.198.54	1.10.55	1.69.55	1.128.55	1.187.55	1.246.55	1.58.56
1.140.54	1.199.54	1.11.55	1.70.55	1.129.55	1.188.55	1.247.55	1.59.56
1.141.54	1.200.54	1.12.55	1.71.55	1.130.55	1.189.55	1.1.56	1.60.56
1.142.54	1.201.54	1.13.55	1.72.55	1.131.55	1.190.55	1.2.56	1.61.56
1.143.54	1.202.54	1.14.55	1.73.55	1.132.55	1.191.55	1.3.56	1.62.56
1.144.54	1.203.54	1.15.55	1.74.55	1.133.55	1.192.55	1.4.56	1.63.56
1.145.54	1.204.54	1.16.55	1.75.55	1.134.55	1.193.55	1.5.56	1.64.56
1.146.54	1.205.54	1.17.55	1.76.55	1.135.55	1.194.55	1.6.56	1.65.56
1.147.54	1.206.54	1.18.55	1.77.55	1.136.55	1.195.55	1.7.56	1.66.56
1.148.54	1.207.54	1.19.55	1.78.55	1.137.55	1.196.55	1.8.56	1.67.56
1.149.54	1.208.54	1.20.55	1.79.55	1.138.55	1.197.55	1.9.56	1.68.56
1.150.54	1.209.54	1.21.55	1.80.55	1.139.55	1.198.55	1.10.56	1.69.56
1.151.54	1.210.54	1.22.55	1.81.55	1.140.55	1.199.55	1.11.56	1.70.56
1.152.54	1.211.54	1.23.55	1.82.55	1.141.55	1.200.55	1.12.56	1.71.56
1.153.54	1.212.54	1.24.55	1.83.55	1.142.55	1.201.55	1.13.56	1.72.56
1.154.54	1.213.54	1.25.55	1.84.55	1.143.55	1.202.55	1.14.56	1.73.56
1.155.54	1.214.54	1.26.55	1.85.55	1.144.55	1.203.55	1.15.56	1.74.56
1.156.54	1.215.54	1.27.55	1.86.55	1.145.55	1.204.55	1.16.56	1.75.56
1.157.54	1.216.54	1.28.55	1.87.55	1.146.55	1.205.55	1.17.56	1.76.56
1.158.54	1.217.54	1.29.55	1.88.55	1.147.55	1.206.55	1.18.56	1.77.56
1.159.54	1.218.54	1.30.55	1.89.55	1.148.55	1.207.55	1.19.56	1.78.56
1.160.54	1.219.54	1.31.55	1.90.55	1.149.55	1.208.55	1.20.56	1.79.56
1.161.54	1.220.54	1.32.55	1.91.55	1.150.55	1.209.55	1.21.56	1.80.56
1.162.54	1.221.54	1.33.55	1.92.55	1.151.55	1.210.55	1.22.56	1.81.56
1.163.54	1.222.54	1.34.55	1.93.55	1.152.55	1.211.55	1.23.56	1.82.56
1.164.54	1.223.54	1.35.55	1.94.55	1.153.55	1.212.55	1.24.56	1.83.56
1.165.54	1.224.54	1.36.55	1.95.55	1.154.55	1.213.55	1.25.56	1.84.56
1.166.54	1.225.54	1.37.55	1.96.55	1.155.55	1.214.55	1.26.56	1.85.56
1.167.54	1.226.54	1.38.55	1.97.55	1.156.55	1.215.55	1.27.56	1.86.56
1.168.54	1.227.54	1.39.55	1.98.55	1.157.55	1.216.55	1.28.56	1.87.56
1.169.54	1.228.54	1.40.55	1.99.55	1.158.55	1.217.55	1.29.56	1.88.56
1.170.54	1.229.54	1.41.55	1.100.55	1.159.55	1.218.55	1.30.56	1.89.56
1.171.54	1.230.54	1.42.55	1.101.55	1.160.55	1.219.55	1.31.56	1.90.56
1.172.54	1.231.54	1.43.55	1.102.55	1.161.55	1.220.55	1.32.56	1.91.56
1.173.54	1.232.54	1.44.55	1.103.55	1.162.55	1.221.55	1.33.56	1.92.56
1.174.54	1.233.54	1.45.55	1.104.55	1.163.55	1.222.55	1.34.56	1.93.56
1.175.54	1.234.54	1.46.55	1.105.55	1.164.55	1.223.55	1.35.56	1.94.56
1.176.54	1.235.54	1.47.55	1.106.55	1.165.55	1.224.55	1.36.56	1.95.56
1.177.54	1.236.54	1.48.55	1.107.55	1.166.55	1.225.55	1.37.56	1.96.56
1.178.54	1.237.54	1.49.55	1.108.55	1.167.55	1.226.55	1.38.56	1.97.56
1.179.54	1.238.54	1.50.55	1.109.55	1.168.55	1.227.55	1.39.56	1.98.56
1.180.54	1.239.54	1.51.55	1.110.55	1.169.55	1.228.55	1.40.56	1.99.56
1.181.54	1.240.54	1.52.55	1.111.55	1.170.55	1.229.55	1.41.56	1.100.56
1.182.54	1.241.54	1.53.55	1.112.55	1.171.55	1.230.55	1.42.56	1.101.56
1.183.54	1.242.54	1.54.55	1.113.55	1.172.55	1.231.55	1.43.56	1.102.56

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				1.92.57	1.151.57	1.210.57	1.22.58
1.104.56	1.163.56	1.222.56	1.34.57	1.93.57	1.152.57	1.211.57	1.23.58
1.105.56	1.164.56	1.223.56	1.35.57	1.94.57	1.153.57	1.212.57	1.24.58
1.106.56	1.165.56	1.224.56	1.36.57	1.95.57	1.154.57	1.213.57	1.25.58
1.107.56	1.166.56	1.225.56	1.37.57	1.96.57	1.155.57	1.214.57	1.26.58
1.108.56	1.167.56	1.226.56	1.38.57	1.97.57	1.156.57	1.215.57	1.27.58
1.109.56	1.168.56	1.227.56	1.39.57	1.98.57	1.157.57	1.216.57	1.28.58
1.110.56	1.169.56	1.228.56	1.40.57	1.99.57	1.158.57	1.217.57	1.29.58
1.111.56	1.170.56	1.229.56	1.41.57	1.100.57	1.159.57	1.218.57	1.30.58
1.112.56	1.171.56	1.230.56	1.42.57	1.101.57	1.160.57	1.219.57	1.31.58
1.113.56	1.172.56	1.231.56	1.43.57	1.102.57	1.161.57	1.220.57	1.32.58
1.114.56	1.173.56	1.232.56	1.44.57	1.103.57	1.162.57	1.221.57	1.33.58
1.115.56	1.174.56	1.233.56	1.45.57	1.104.57	1.163.57	1.222.57	1.34.58
1.116.56	1.175.56	1.234.56	1.46.57	1.105.57	1.164.57	1.223.57	1.35.58
1.117.56	1.176.56	1.235.56	1.47.57	1.106.57	1.165.57	1.224.57	1.36.58
1.118.56	1.177.56	1.236.56	1.48.57	1.107.57	1.166.57	1.225.57	1.37.58
1.119.56	1.178.56	1.237.56	1.49.57	1.108.57	1.167.57	1.226.57	1.38.58
1.120.56	1.179.56	1.238.56	1.50.57	1.109.57	1.168.57	1.227.57	1.39.58
1.121.56	1.180.56	1.239.56	1.51.57	1.110.57	1.169.57	1.228.57	1.40.58
1.122.56	1.181.56	1.240.56	1.52.57	1.111.57	1.170.57	1.229.57	1.41.58
1.123.56	1.182.56	1.241.56	1.53.57	1.112.57	1.171.57	1.230.57	1.42.58
1.124.56	1.183.56	1.242.56	1.54.57	1.113.57	1.172.57	1.231.57	1.43.58
1.125.56	1.184.56	1.243.56	1.55.57	1.114.57	1.173.57	1.232.57	1.44.58
1.126.56	1.185.56	1.244.56	1.56.57	1.115.57	1.174.57	1.233.57	1.45.58
1.127.56	1.186.56	1.245.56	1.57.57	1.116.57	1.175.57	1.234.57	1.46.58
1.128.56	1.187.56	1.246.56	1.58.57	1.117.57	1.176.57	1.235.57	1.47.58
1.129.56	1.188.56	1.247.56	1.59.57	1.118.57	1.177.57	1.236.57	1.48.58
1.130.56	1.189.56	1.1.57	1.60.57	1.119.57	1.178.57	1.237.57	1.49.58
1.131.56	1.190.56	1.2.57	1.61.57	1.120.57	1.179.57	1.238.57	1.50.58
1.132.56	1.191.56	1.3.57	1.62.57	1.121.57	1.180.57	1.239.57	1.51.58
1.133.56	1.192.56	1.4.57	1.63.57	1.122.57	1.181.57	1.240.57	1.52.58
1.134.56	1.193.56	1.5.57	1.64.57	1.123.57	1.182.57	1.241.57	1.53.58
1.135.56	1.194.56	1.6.57	1.65.57	1.124.57	1.183.57	1.242.57	1.54.58
1.136.56	1.195.56	1.7.57	1.66.57	1.125.57	1.184.57	1.243.57	1.55.58
1.137.56	1.196.56	1.8.57	1.67.57	1.126.57	1.185.57	1.244.57	1.56.58
1.138.56	1.197.56	1.9.57	1.68.57	1.127.57	1.186.57	1.245.57	1.57.58
1.139.56	1.198.56	1.10.57	1.69.57	1.128.57	1.187.57	1.246.57	1.58.58
1.140.56	1.199.56	1.11.57	1.70.57	1.129.57	1.188.57	1.247.57	1.59.58
1.141.56	1.200.56	1.12.57	1.71.57	1.130.57	1.189.57	1.1.58	1.60.58
1.142.56	1.201.56	1.13.57	1.72.57	1.131.57	1.190.57	1.2.58	1.61.58
1.143.56	1.202.56	1.14.57	1.73.57	1.132.57	1.191.57	1.3.58	1.62.58
1.144.56	1.203.56	1.15.57	1.74.57	1.133.57	1.192.57	1.4.58	1.63.58
1.145.56	1.204.56	1.16.57	1.75.57	1.134.57	1.193.57	1.5.58	1.64.58
1.146.56	1.205.56	1.17.57	1.76.57	1.135.57	1.194.57	1.6.58	1.65.58
1.147.56	1.206.56	1.18.57	1.77.57	1.136.57	1.195.57	1.7.58	1.66.58
1.148.56	1.207.56	1.19.57	1.78.57	1.137.57	1.196.57	1.8.58	1.67.58
1.149.56	1.208.56	1.20.57	1.79.57	1.138.57	1.197.57	1.9.58	1.68.58
1.150.56	1.209.56	1.21.57	1.80.57	1.139.57	1.198.57	1.10.58	1.69.58
1.151.56	1.210.56	1.22.57	1.81.57	1.140.57	1.199.57	1.11.58	1.70.58
1.152.56	1.211.56	1.23.57	1.82.57	1.141.57	1.200.57	1.12.58	1.71.58
1.153.56	1.212.56	1.24.57	1.83.57	1.142.57	1.201.57	1.13.58	1.72.58
1.154.56	1.213.56	1.25.57	1.84.57	1.143.57	1.202.57	1.14.58	1.73.58
1.155.56	1.214.56	1.26.57	1.85.57	1.144.57	1.203.57	1.15.58	1.74.58
1.156.56	1.215.56	1.27.57	1.86.57	1.145.57	1.204.57	1.16.58	1.75.58
1.157.56	1.216.56	1.28.57	1.87.57	1.146.57	1.205.57	1.17.58	1.76.58
1.158.56	1.217.56	1.29.57	1.88.57	1.147.57	1.206.57	1.18.58	1.77.58
1.159.56	1.218.56	1.30.57	1.89.57	1.148.57	1.207.57	1.19.58	1.78.58
1.160.56	1.219.56	1.31.57	1.90.57	1.149.57	1.208.57	1.20.58	1.79.58
1.161.56	1.220.56	1.32.57	1.91.57	1.150.57	1.209.57	1.21.58	1.80.58



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1.81.58	1.170.58	1.177.58	1.111.58	1.70.59	1.129.59	1.188.59	1.247.59
1.82.58	1.141.58	1.200.58	1.12.59	1.71.59	1.130.59	1.189.59	1.1.60
1.83.58	1.142.58	1.201.58	1.13.59	1.72.59	1.131.59	1.190.59	1.2.60
1.84.58	1.143.58	1.202.58	1.14.59	1.73.59	1.132.59	1.191.59	1.3.60
1.85.58	1.144.58	1.203.58	1.15.59	1.74.59	1.133.59	1.192.59	1.4.60
1.86.58	1.145.58	1.204.58	1.16.59	1.75.59	1.134.59	1.193.59	1.5.60
1.87.58	1.146.58	1.205.58	1.17.59	1.76.59	1.135.59	1.194.59	1.6.60
1.88.58	1.147.58	1.206.58	1.18.59	1.77.59	1.136.59	1.195.59	1.7.60
1.89.58	1.148.58	1.207.58	1.19.59	1.78.59	1.137.59	1.196.59	1.8.60
1.90.58	1.149.58	1.208.58	1.20.59	1.79.59	1.138.59	1.197.59	1.9.60
1.91.58	1.150.58	1.209.58	1.21.59	1.80.59	1.139.59	1.198.59	1.10.60
1.92.58	1.151.58	1.210.58	1.22.59	1.81.59	1.140.59	1.199.59	1.11.60
1.93.58	1.152.58	1.211.58	1.23.59	1.82.59	1.141.59	1.200.59	1.12.60
1.94.58	1.153.58	1.212.58	1.24.59	1.83.59	1.142.59	1.201.59	1.13.60
1.95.58	1.154.58	1.213.58	1.25.59	1.84.59	1.143.59	1.202.59	1.14.60
1.96.58	1.155.58	1.214.58	1.26.59	1.85.59	1.144.59	1.203.59	1.15.60
1.97.58	1.156.58	1.215.58	1.27.59	1.86.59	1.145.59	1.204.59	1.16.60
1.98.58	1.157.58	1.216.58	1.28.59	1.87.59	1.146.59	1.205.59	1.17.60
1.99.58	1.158.58	1.217.58	1.29.59	1.88.59	1.147.59	1.206.59	1.18.60
1.100.58	1.159.58	1.218.58	1.30.59	1.89.59	1.148.59	1.207.59	1.19.60
1.101.58	1.160.58	1.219.58	1.31.59	1.90.59	1.149.59	1.208.59	1.20.60
1.102.58	1.161.58	1.220.58	1.32.59	1.91.59	1.150.59	1.209.59	1.21.60
1.103.58	1.162.58	1.221.58	1.33.59	1.92.59	1.151.59	1.210.59	1.22.60
1.104.58	1.163.58	1.222.58	1.34.59	1.93.59	1.152.59	1.211.59	1.23.60
1.105.58	1.164.58	1.223.58	1.35.59	1.94.59	1.153.59	1.212.59	1.24.60
1.106.58	1.165.58	1.224.58	1.36.59	1.95.59	1.154.59	1.213.59	1.25.60
1.107.58	1.166.58	1.225.58	1.37.59	1.96.59	1.155.59	1.214.59	1.26.60
1.108.58	1.167.58	1.226.58	1.38.59	1.97.59	1.156.59	1.215.59	1.27.60
1.109.58	1.168.58	1.227.58	1.39.59	1.98.59	1.157.59	1.216.59	1.28.60
1.110.58	1.169.58	1.228.58	1.40.59	1.99.59	1.158.59	1.217.59	1.29.60
1.111.58	1.170.58	1.229.58	1.41.59	1.100.59	1.159.59	1.218.59	1.30.60
1.112.58	1.171.58	1.230.58	1.42.59	1.101.59	1.160.59	1.219.59	1.31.60
1.113.58	1.172.58	1.231.58	1.43.59	1.102.59	1.161.59	1.220.59	1.32.60
1.114.58	1.173.58	1.232.58	1.44.59	1.103.59	1.162.59	1.221.59	1.33.60
1.115.58	1.174.58	1.233.58	1.45.59	1.104.59	1.163.59	1.222.59	1.34.60
1.116.58	1.175.58	1.234.58	1.46.59	1.105.59	1.164.59	1.223.59	1.35.60
1.117.58	1.176.58	1.235.58	1.47.59	1.106.59	1.165.59	1.224.59	1.36.60
1.118.58	1.177.58	1.236.58	1.48.59	1.107.59	1.166.59	1.225.59	1.37.60
1.119.58	1.178.58	1.237.58	1.49.59	1.108.59	1.167.59	1.226.59	1.38.60
1.120.58	1.179.58	1.238.58	1.50.59	1.109.59	1.168.59	1.227.59	1.39.60
1.121.58	1.180.58	1.239.58	1.51.59	1.110.59	1.169.59	1.228.59	1.40.60
1.122.58	1.181.58	1.240.58	1.52.59	1.111.59	1.170.59	1.229.59	1.41.60
1.123.58	1.182.58	1.241.58	1.53.59	1.112.59	1.171.59	1.230.59	1.42.60
1.124.58	1.183.58	1.242.58	1.54.59	1.113.59	1.172.59	1.231.59	1.43.60
1.125.58	1.184.58	1.243.58	1.55.59	1.114.59	1.173.59	1.232.59	1.44.60
1.126.58	1.185.58	1.244.58	1.56.59	1.115.59	1.174.59	1.233.59	1.45.60
1.127.58	1.186.58	1.245.58	1.57.59	1.116.59	1.175.59	1.234.59	1.46.60
1.128.58	1.187.58	1.246.58	1.58.59	1.117.59	1.176.59	1.235.59	1.47.60
1.129.58	1.188.58	1.247.58	1.59.59	1.118.59	1.177.59	1.236.59	1.48.60
1.130.58	1.189.58	1.1.59	1.60.59	1.119.59	1.178.59	1.237.59	1.49.60
1.131.58	1.190.58	1.2.59	1.61.59	1.120.59	1.179.59	1.238.59	1.50.60
1.132.58	1.191.58	1.3.59	1.62.59	1.121.59	1.180.59	1.239.59	1.51.60
1.133.58	1.192.58	1.4.59	1.63.59	1.122.59	1.181.59	1.240.59	1.52.60
1.134.58	1.193.58	1.5.59	1.64.59	1.123.59	1.182.59	1.241.59	1.53.60
1.135.58	1.194.58	1.6.59	1.65.59	1.124.59	1.183.59	1.242.59	1.54.60
1.136.58	1.195.58	1.7.59	1.66.59	1.125.59	1.184.59	1.243.59	1.55.60
1.137.58	1.196.58	1.8.59	1.67.59	1.126.59	1.185.59	1.244.59	1.56.60
1.138.58	1.197.58	1.9.59	1.68.59	1.127.59	1.186.59	1.245.59	1.57.60
1.139.58	1.198.58	1.10.59	1.69.59	1.128.59	1.187.59	1.246.59	1.58.60

1.59.60	1.118.60	1.177.60	1.236.60	1.48.61	1.107.61	1.166.61	1.225.61
1.60.60	1.119.60	1.178.60	1.237.60	1.49.61	1.108.61	1.167.61	1.226.61
1.61.60	1.120.60	1.179.60	1.238.60	1.50.61	1.109.61	1.168.61	1.227.61
1.62.60	1.121.60	1.180.60	1.239.60	1.51.61	1.110.61	1.169.61	1.228.61
1.63.60	1.122.60	1.181.60	1.240.60	1.52.61	1.111.61	1.170.61	1.229.61
1.64.60	1.123.60	1.182.60	1.241.60	1.53.61	1.112.61	1.171.61	1.230.61
1.65.60	1.124.60	1.183.60	1.242.60	1.54.61	1.113.61	1.172.61	1.231.61
1.66.60	1.125.60	1.184.60	1.243.60	1.55.61	1.114.61	1.173.61	1.232.61
1.67.60	1.126.60	1.185.60	1.244.60	1.56.61	1.115.61	1.174.61	1.233.61
1.68.60	1.127.60	1.186.60	1.245.60	1.57.61	1.116.61	1.175.61	1.234.61
1.69.60	1.128.60	1.187.60	1.246.60	1.58.61	1.117.61	1.176.61	1.235.61
1.70.60	1.129.60	1.188.60	1.247.60	1.59.61	1.118.61	1.177.61	1.236.61
1.71.60	1.130.60	1.189.60	1.1.61	1.60.61	1.119.61	1.178.61	1.237.61
1.72.60	1.131.60	1.190.60	1.2.61	1.61.61	1.120.61	1.179.61	1.238.61
1.73.60	1.132.60	1.191.60	1.3.61	1.62.61	1.121.61	1.180.61	1.239.61
1.74.60	1.133.60	1.192.60	1.4.61	1.63.61	1.122.61	1.181.61	1.240.61
1.75.60	1.134.60	1.193.60	1.5.61	1.64.61	1.123.61	1.182.61	1.241.61
1.76.60	1.135.60	1.194.60	1.6.61	1.65.61	1.124.61	1.183.61	1.242.61
1.77.60	1.136.60	1.195.60	1.7.61	1.66.61	1.125.61	1.184.61	1.243.61
1.78.60	1.137.60	1.196.60	1.8.61	1.67.61	1.126.61	1.185.61	1.244.61
1.79.60	1.138.60	1.197.60	1.9.61	1.68.61	1.127.61	1.186.61	1.245.61
1.80.60	1.139.60	1.198.60	1.10.61	1.69.61	1.128.61	1.187.61	1.246.61
1.81.60	1.140.60	1.199.60	1.11.61	1.70.61	1.129.61	1.188.61	1.247.61
1.82.60	1.141.60	1.200.60	1.12.61	1.71.61	1.130.61	1.189.61	1.1.62
1.83.60	1.142.60	1.201.60	1.13.61	1.72.61	1.131.61	1.190.61	1.2.62
1.84.60	1.143.60	1.202.60	1.14.61	1.73.61	1.132.61	1.191.61	1.3.62
1.85.60	1.144.60	1.203.60	1.15.61	1.74.61	1.133.61	1.192.61	1.4.62
1.86.60	1.145.60	1.204.60	1.16.61	1.75.61	1.134.61	1.193.61	1.5.62
1.87.60	1.146.60	1.205.60	1.17.61	1.76.61	1.135.61	1.194.61	1.6.62
1.88.60	1.147.60	1.206.60	1.18.61	1.77.61	1.136.61	1.195.61	1.7.62
1.89.60	1.148.60	1.207.60	1.19.61	1.78.61	1.137.61	1.196.61	1.8.62
1.90.60	1.149.60	1.208.60	1.20.61	1.79.61	1.138.61	1.197.61	1.9.62
1.91.60	1.150.60	1.209.60	1.21.61	1.80.61	1.139.61	1.198.61	1.10.62
1.92.60	1.151.60	1.210.60	1.22.61	1.81.61	1.140.61	1.199.61	1.11.62
1.93.60	1.152.60	1.211.60	1.23.61	1.82.61	1.141.61	1.200.61	1.12.62
1.94.60	1.153.60	1.212.60	1.24.61	1.83.61	1.142.61	1.201.61	1.13.62
1.95.60	1.154.60	1.213.60	1.25.61	1.84.61	1.143.61	1.202.61	1.14.62
1.96.60	1.155.60	1.214.60	1.26.61	1.85.61	1.144.61	1.203.61	1.15.62
1.97.60	1.156.60	1.215.60	1.27.61	1.86.61	1.145.61	1.204.61	1.16.62
1.98.60	1.157.60	1.216.60	1.28.61	1.87.61	1.146.61	1.205.61	1.17.62
1.99.60	1.158.60	1.217.60	1.29.61	1.88.61	1.147.61	1.206.61	1.18.62
1.100.60	1.159.60	1.218.60	1.30.61	1.89.61	1.148.61	1.207.61	1.19.62
1.101.60	1.160.60	1.219.60	1.31.61	1.90.61	1.149.61	1.208.61	1.20.62
1.102.60	1.161.60	1.220.60	1.32.61	1.91.61	1.150.61	1.209.61	1.21.62
1.103.60	1.162.60	1.221.60	1.33.61	1.92.61	1.151.61	1.210.61	1.22.62
1.104.60	1.163.60	1.222.60	1.34.61	1.93.61	1.152.61	1.211.61	1.23.62
1.105.60	1.164.60	1.223.60	1.35.61	1.94.61	1.153.61	1.212.61	1.24.62
1.106.60	1.165.60	1.224.60	1.36.61	1.95.61	1.154.61	1.213.61	1.25.62
1.107.60	1.166.60	1.225.60	1.37.61	1.96.61	1.155.61	1.214.61	1.26.62
1.108.60	1.167.60	1.226.60	1.38.61	1.97.61	1.156.61	1.215.61	1.27.62
1.109.60	1.168.60	1.227.60	1.39.61	1.98.61	1.157.61	1.216.61	1.28.62
1.110.60	1.169.60	1.228.60	1.40.61	1.99.61	1.158.61	1.217.61	1.29.62
1.111.60	1.170.60	1.229.60	1.41.61	1.100.61	1.159.61	1.218.61	1.30.62
1.112.60	1.171.60	1.230.60	1.42.61	1.101.61	1.160.61	1.219.61	1.31.62
1.113.60	1.172.60	1.231.60	1.43.61	1.102.61	1.161.61	1.220.61	1.32.62
1.114.60	1.173.60	1.232.60	1.44.61	1.103.61	1.162.61	1.221.61	1.33.62
1.115.60	1.174.60	1.233.60	1.45.61	1.104.61	1.163.61	1.222.61	1.34.62
1.116.60	1.175.60	1.234.60	1.46.61	1.105.61	1.164.61	1.223.61	1.35.62
1.117.60	1.176.60	1.235.60	1.47.61	1.106.61	1.165.61	1.224.61	1.36.62

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1.37.62	1.98.62	1.155.62	1.217.62	1.26.63	1.85.63	1.144.63	1.203.63
1.38.62	1.97.62	1.156.62	1.215.62	1.27.63	1.86.63	1.145.63	1.204.63
1.39.62	1.98.62	1.157.62	1.216.62	1.28.63	1.87.63	1.146.63	1.205.63
1.40.62	1.99.62	1.158.62	1.217.62	1.29.63	1.88.63	1.147.63	1.206.63
1.41.62	1.100.62	1.159.62	1.218.62	1.30.63	1.89.63	1.148.63	1.207.63
1.42.62	1.101.62	1.160.62	1.219.62	1.31.63	1.90.63	1.149.63	1.208.63
1.43.62	1.102.62	1.161.62	1.220.62	1.32.63	1.91.63	1.150.63	1.209.63
1.44.62	1.103.62	1.162.62	1.221.62	1.33.63	1.92.63	1.151.63	1.210.63
1.45.62	1.104.62	1.163.62	1.222.62	1.34.63	1.93.63	1.152.63	1.211.63
1.46.62	1.105.62	1.164.62	1.223.62	1.35.63	1.94.63	1.153.63	1.212.63
1.47.62	1.106.62	1.165.62	1.224.62	1.36.63	1.95.63	1.154.63	1.213.63
1.48.62	1.107.62	1.166.62	1.225.62	1.37.63	1.96.63	1.155.63	1.214.63
1.49.62	1.108.62	1.167.62	1.226.62	1.38.63	1.97.63	1.156.63	1.215.63
1.50.62	1.109.62	1.168.62	1.227.62	1.39.63	1.98.63	1.157.63	1.216.63
1.51.62	1.110.62	1.169.62	1.228.62	1.40.63	1.99.63	1.158.63	1.217.63
1.52.62	1.111.62	1.170.62	1.229.62	1.41.63	1.100.63	1.159.63	1.218.63
1.53.62	1.112.62	1.171.62	1.230.62	1.42.63	1.101.63	1.160.63	1.219.63
1.54.62	1.113.62	1.172.62	1.231.62	1.43.63	1.102.63	1.161.63	1.220.63
1.55.62	1.114.62	1.173.62	1.232.62	1.44.63	1.103.63	1.162.63	1.221.63
1.56.62	1.115.62	1.174.62	1.233.62	1.45.63	1.104.63	1.163.63	1.222.63
1.57.62	1.116.62	1.175.62	1.234.62	1.46.63	1.105.63	1.164.63	1.223.63
1.58.62	1.117.62	1.176.62	1.235.62	1.47.63	1.106.63	1.165.63	1.224.63
1.59.62	1.118.62	1.177.62	1.236.62	1.48.63	1.107.63	1.166.63	1.225.63
1.60.62	1.119.62	1.178.62	1.237.62	1.49.63	1.108.63	1.167.63	1.226.63
1.61.62	1.120.62	1.179.62	1.238.62	1.50.63	1.109.63	1.168.63	1.227.63
1.62.62	1.121.62	1.180.62	1.239.62	1.51.63	1.110.63	1.169.63	1.228.63
1.63.62	1.122.62	1.181.62	1.240.62	1.52.63	1.111.63	1.170.63	1.229.63
1.64.62	1.123.62	1.182.62	1.241.62	1.53.63	1.112.63	1.171.63	1.230.63
1.65.62	1.124.62	1.183.62	1.242.62	1.54.63	1.113.63	1.172.63	1.231.63
1.66.62	1.125.62	1.184.62	1.243.62	1.55.63	1.114.63	1.173.63	1.232.63
1.67.62	1.126.62	1.185.62	1.244.62	1.56.63	1.115.63	1.174.63	1.233.63
1.68.62	1.127.62	1.186.62	1.245.62	1.57.63	1.116.63	1.175.63	1.234.63
1.69.62	1.128.62	1.187.62	1.246.62	1.58.63	1.117.63	1.176.63	1.235.63
1.70.62	1.129.62	1.188.62	1.247.62	1.59.63	1.118.63	1.177.63	1.236.63
1.71.62	1.130.62	1.189.62	1.1.63	1.60.63	1.119.63	1.178.63	1.237.63
1.72.62	1.131.62	1.190.62	1.2.63	1.61.63	1.120.63	1.179.63	1.238.63
1.73.62	1.132.62	1.191.62	1.3.63	1.62.63	1.121.63	1.180.63	1.239.63
1.74.62	1.133.62	1.192.62	1.4.63	1.63.63	1.122.63	1.181.63	1.240.63
1.75.62	1.134.62	1.193.62	1.5.63	1.64.63	1.123.63	1.182.63	1.241.63
1.76.62	1.135.62	1.194.62	1.6.63	1.65.63	1.124.63	1.183.63	1.242.63
1.77.62	1.136.62	1.195.62	1.7.63	1.66.63	1.125.63	1.184.63	1.243.63
1.78.62	1.137.62	1.196.62	1.8.63	1.67.63	1.126.63	1.185.63	1.244.63
1.79.62	1.138.62	1.197.62	1.9.63	1.68.63	1.127.63	1.186.63	1.245.63
1.80.62	1.139.62	1.198.62	1.10.63	1.69.63	1.128.63	1.187.63	1.246.63
1.81.62	1.140.62	1.199.62	1.11.63	1.70.63	1.129.63	1.188.63	1.247.63
1.82.62	1.141.62	1.200.62	1.12.63	1.71.63	1.130.63	1.189.63	1.1.64
1.83.62	1.142.62	1.201.62	1.13.63	1.72.63	1.131.63	1.190.63	1.2.64
1.84.62	1.143.62	1.202.62	1.14.63	1.73.63	1.132.63	1.191.63	1.3.64
1.85.62	1.144.62	1.203.62	1.15.63	1.74.63	1.133.63	1.192.63	1.4.64
1.86.62	1.145.62	1.204.62	1.16.63	1.75.63	1.134.63	1.193.63	1.5.64
1.87.62	1.146.62	1.205.62	1.17.63	1.76.63	1.135.63	1.194.63	1.6.64
1.88.62	1.147.62	1.206.62	1.18.63	1.77.63	1.136.63	1.195.63	1.7.64
1.89.62	1.148.62	1.207.62	1.19.63	1.78.63	1.137.63	1.196.63	1.8.64
1.90.62	1.149.62	1.208.62	1.20.63	1.79.63	1.138.63	1.197.63	1.9.64
1.91.62	1.150.62	1.209.62	1.21.63	1.80.63	1.139.63	1.198.63	1.10.64
1.92.62	1.151.62	1.210.62	1.22.63	1.81.63	1.140.63	1.199.63	1.11.64
1.93.62	1.152.62	1.211.62	1.23.63	1.82.63	1.141.63	1.200.63	1.12.64
1.94.62	1.153.62	1.212.62	1.24.63	1.83.63	1.142.63	1.201.63	1.13.64
1.95.62	1.154.62	1.213.62	1.25.63	1.84.63	1.143.63	1.202.63	1.14.64

1.15.64	1.74.64	1.133.64	1.192.64	1.4.65	1.63.65	1.122.65	1.181.65
1.16.64	1.75.64	1.134.64	1.193.64	1.5.65	1.64.65	1.123.65	1.182.65
1.17.64	1.76.64	1.135.64	1.194.64	1.6.65	1.65.65	1.124.65	1.183.65
1.18.64	1.77.64	1.136.64	1.195.64	1.7.65	1.66.65	1.125.65	1.184.65
1.19.64	1.78.64	1.137.64	1.196.64	1.8.65	1.67.65	1.126.65	1.185.65
1.20.64	1.79.64	1.138.64	1.197.64	1.9.65	1.68.65	1.127.65	1.186.65
1.21.64	1.80.64	1.139.64	1.198.64	1.10.65	1.69.65	1.128.65	1.187.65
1.22.64	1.81.64	1.140.64	1.199.64	1.11.65	1.70.65	1.129.65	1.188.65
1.23.64	1.82.64	1.141.64	1.200.64	1.12.65	1.71.65	1.130.65	1.189.65
1.24.64	1.83.64	1.142.64	1.201.64	1.13.65	1.72.65	1.131.65	1.190.65
1.25.64	1.84.64	1.143.64	1.202.64	1.14.65	1.73.65	1.132.65	1.191.65
1.26.64	1.85.64	1.144.64	1.203.64	1.15.65	1.74.65	1.133.65	1.192.65
1.27.64	1.86.64	1.145.64	1.204.64	1.16.65	1.75.65	1.134.65	1.193.65
1.28.64	1.87.64	1.146.64	1.205.64	1.17.65	1.76.65	1.135.65	1.194.65
1.29.64	1.88.64	1.147.64	1.206.64	1.18.65	1.77.65	1.136.65	1.195.65
1.30.64	1.89.64	1.148.64	1.207.64	1.19.65	1.78.65	1.137.65	1.196.65
1.31.64	1.90.64	1.149.64	1.208.64	1.20.65	1.79.65	1.138.65	1.197.65
1.32.64	1.91.64	1.150.64	1.209.64	1.21.65	1.80.65	1.139.65	1.198.65
1.33.64	1.92.64	1.151.64	1.210.64	1.22.65	1.81.65	1.140.65	1.199.65
1.34.64	1.93.64	1.152.64	1.211.64	1.23.65	1.82.65	1.141.65	1.200.65
1.35.64	1.94.64	1.153.64	1.212.64	1.24.65	1.83.65	1.142.65	1.201.65
1.36.64	1.95.64	1.154.64	1.213.64	1.25.65	1.84.65	1.143.65	1.202.65
1.37.64	1.96.64	1.155.64	1.214.64	1.26.65	1.85.65	1.144.65	1.203.65
1.38.64	1.97.64	1.156.64	1.215.64	1.27.65	1.86.65	1.145.65	1.204.65
1.39.64	1.98.64	1.157.64	1.216.64	1.28.65	1.87.65	1.146.65	1.205.65
1.40.64	1.99.64	1.158.64	1.217.64	1.29.65	1.88.65	1.147.65	1.206.65
1.41.64	1.100.64	1.159.64	1.218.64	1.30.65	1.89.65	1.148.65	1.207.65
1.42.64	1.101.64	1.160.64	1.219.64	1.31.65	1.90.65	1.149.65	1.208.65
1.43.64	1.102.64	1.161.64	1.220.64	1.32.65	1.91.65	1.150.65	1.209.65
1.44.64	1.103.64	1.162.64	1.221.64	1.33.65	1.92.65	1.151.65	1.210.65
1.45.64	1.104.64	1.163.64	1.222.64	1.34.65	1.93.65	1.152.65	1.211.65
1.46.64	1.105.64	1.164.64	1.223.64	1.35.65	1.94.65	1.153.65	1.212.65
1.47.64	1.106.64	1.165.64	1.224.64	1.36.65	1.95.65	1.154.65	1.213.65
1.48.64	1.107.64	1.166.64	1.225.64	1.37.65	1.96.65	1.155.65	1.214.65
1.49.64	1.108.64	1.167.64	1.226.64	1.38.65	1.97.65	1.156.65	1.215.65
1.50.64	1.109.64	1.168.64	1.227.64	1.39.65	1.98.65	1.157.65	1.216.65
1.51.64	1.110.64	1.169.64	1.228.64	1.40.65	1.99.65	1.158.65	1.217.65
1.52.64	1.111.64	1.170.64	1.229.64	1.41.65	1.100.65	1.159.65	1.218.65
1.53.64	1.112.64	1.171.64	1.230.64	1.42.65	1.101.65	1.160.65	1.219.65
1.54.64	1.113.64	1.172.64	1.231.64	1.43.65	1.102.65	1.161.65	1.220.65
1.55.64	1.114.64	1.173.64	1.232.64	1.44.65	1.103.65	1.162.65	1.221.65
1.56.64	1.115.64	1.174.64	1.233.64	1.45.65	1.104.65	1.163.65	1.222.65
1.57.64	1.116.64	1.175.64	1.234.64	1.46.65	1.105.65	1.164.65	1.223.65
1.58.64	1.117.64	1.176.64	1.235.64	1.47.65	1.106.65	1.165.65	1.224.65
1.59.64	1.118.64	1.177.64	1.236.64	1.48.65	1.107.65	1.166.65	1.225.65
1.60.64	1.119.64	1.178.64	1.237.64	1.49.65	1.108.65	1.167.65	1.226.65
1.61.64	1.120.64	1.179.64	1.238.64	1.50.65	1.109.65	1.168.65	1.227.65
1.62.64	1.121.64	1.180.64	1.239.64	1.51.65	1.110.65	1.169.65	1.228.65
1.63.64	1.122.64	1.181.64	1.240.64	1.52.65	1.111.65	1.170.65	1.229.65
1.64.64	1.123.64	1.182.64	1.241.64	1.53.65	1.112.65	1.171.65	1.230.65
1.65.64	1.124.64	1.183.64	1.242.64	1.54.65	1.113.65	1.172.65	1.231.65
1.66.64	1.125.64	1.184.64	1.243.64	1.55.65	1.114.65	1.173.65	1.232.65
1.67.64	1.126.64	1.185.64	1.244.64	1.56.65	1.115.65	1.174.65	1.233.65
1.68.64	1.127.64	1.186.64	1.245.64	1.57.65	1.116.65	1.175.65	1.234.65
1.69.64	1.128.64	1.187.64	1.246.64	1.58.65	1.117.65	1.176.65	1.235.65
1.70.64	1.129.64	1.188.64	1.247.64	1.59.65	1.118.65	1.177.65	1.236.65
1.71.64	1.130.64	1.189.64	1.1.65	1.60.65	1.119.65	1.178.65	1.237.65
1.72.64	1.131.64	1.190.64	1.2.65	1.61.65	1.120.65	1.179.65	1.238.65
1.73.64	1.132.64	1.191.64	1.3.65	1.62.65	1.121.65	1.180.65	1.239.65

1.240.65	1.52.66	1.111.66	1.175.66	1.229.66	1.41.67	1.100.67	1.159.67
1.241.65	1.53.66	1.112.66	1.171.66	1.230.66	1.42.67	1.101.67	1.160.67
1.242.65	1.54.66	1.113.66	1.172.66	1.231.66	1.43.67	1.102.67	1.161.67
1.243.65	1.55.66	1.114.66	1.173.66	1.232.66	1.44.67	1.103.67	1.162.67
1.244.65	1.56.66	1.115.66	1.174.66	1.233.66	1.45.67	1.104.67	1.163.67
1.245.65	1.57.66	1.116.66	1.175.66	1.234.66	1.46.67	1.105.67	1.164.67
1.246.65	1.58.66	1.117.66	1.176.66	1.235.66	1.47.67	1.106.67	1.165.67
1.247.65	1.59.66	1.118.66	1.177.66	1.236.66	1.48.67	1.107.67	1.166.67
1.1.66	1.60.66	1.119.66	1.178.66	1.237.66	1.49.67	1.108.67	1.167.67
1.2.66	1.61.66	1.120.66	1.179.66	1.238.66	1.50.67	1.109.67	1.168.67
1.3.66	1.62.66	1.121.66	1.180.66	1.239.66	1.51.67	1.110.67	1.169.67
1.4.66	1.63.66	1.122.66	1.181.66	1.240.66	1.52.67	1.111.67	1.170.67
1.5.66	1.64.66	1.123.66	1.182.66	1.241.66	1.53.67	1.112.67	1.171.67
1.6.66	1.65.66	1.124.66	1.183.66	1.242.66	1.54.67	1.113.67	1.172.67
1.7.66	1.66.66	1.125.66	1.184.66	1.243.66	1.55.67	1.114.67	1.173.67
1.8.66	1.67.66	1.126.66	1.185.66	1.244.66	1.56.67	1.115.67	1.174.67
1.9.66	1.68.66	1.127.66	1.186.66	1.245.66	1.57.67	1.116.67	1.175.67
1.10.66	1.69.66	1.128.66	1.187.66	1.246.66	1.58.67	1.117.67	1.176.67
1.11.66	1.70.66	1.129.66	1.188.66	1.247.66	1.59.67	1.118.67	1.177.67
1.12.66	1.71.66	1.130.66	1.189.66	1.1.67	1.60.67	1.119.67	1.178.67
1.13.66	1.72.66	1.131.66	1.190.66	1.2.67	1.61.67	1.120.67	1.179.67
1.14.66	1.73.66	1.132.66	1.191.66	1.3.67	1.62.67	1.121.67	1.180.67
1.15.66	1.74.66	1.133.66	1.192.66	1.4.67	1.63.67	1.122.67	1.181.67
1.16.66	1.75.66	1.134.66	1.193.66	1.5.67	1.64.67	1.123.67	1.182.67
1.17.66	1.76.66	1.135.66	1.194.66	1.6.67	1.65.67	1.124.67	1.183.67
1.18.66	1.77.66	1.136.66	1.195.66	1.7.67	1.66.67	1.125.67	1.184.67
1.19.66	1.78.66	1.137.66	1.196.66	1.8.67	1.67.67	1.126.67	1.185.67
1.20.66	1.79.66	1.138.66	1.197.66	1.9.67	1.68.67	1.127.67	1.186.67
1.21.66	1.80.66	1.139.66	1.198.66	1.10.67	1.69.67	1.128.67	1.187.67
1.22.66	1.81.66	1.140.66	1.199.66	1.11.67	1.70.67	1.129.67	1.188.67
1.23.66	1.82.66	1.141.66	1.200.66	1.12.67	1.71.67	1.130.67	1.189.67
1.24.66	1.83.66	1.142.66	1.201.66	1.13.67	1.72.67	1.131.67	1.190.67
1.25.66	1.84.66	1.143.66	1.202.66	1.14.67	1.73.67	1.132.67	1.191.67
1.26.66	1.85.66	1.144.66	1.203.66	1.15.67	1.74.67	1.133.67	1.192.67
1.27.66	1.86.66	1.145.66	1.204.66	1.16.67	1.75.67	1.134.67	1.193.67
1.28.66	1.87.66	1.146.66	1.205.66	1.17.67	1.76.67	1.135.67	1.194.67
1.29.66	1.88.66	1.147.66	1.206.66	1.18.67	1.77.67	1.136.67	1.195.67
1.30.66	1.89.66	1.148.66	1.207.66	1.19.67	1.78.67	1.137.67	1.196.67
1.31.66	1.90.66	1.149.66	1.208.66	1.20.67	1.79.67	1.138.67	1.197.67
1.32.66	1.91.66	1.150.66	1.209.66	1.21.67	1.80.67	1.139.67	1.198.67
1.33.66	1.92.66	1.151.66	1.210.66	1.22.67	1.81.67	1.140.67	1.199.67
1.34.66	1.93.66	1.152.66	1.211.66	1.23.67	1.82.67	1.141.67	1.200.67
1.35.66	1.94.66	1.153.66	1.212.66	1.24.67	1.83.67	1.142.67	1.201.67
1.36.66	1.95.66	1.154.66	1.213.66	1.25.67	1.84.67	1.143.67	1.202.67
1.37.66	1.96.66	1.155.66	1.214.66	1.26.67	1.85.67	1.144.67	1.203.67
1.38.66	1.97.66	1.156.66	1.215.66	1.27.67	1.86.67	1.145.67	1.204.67
1.39.66	1.98.66	1.157.66	1.216.66	1.28.67	1.87.67	1.146.67	1.205.67
1.40.66	1.99.66	1.158.66	1.217.66	1.29.67	1.88.67	1.147.67	1.206.67
1.41.66	1.100.66	1.159.66	1.218.66	1.30.67	1.89.67	1.148.67	1.207.67
1.42.66	1.101.66	1.160.66	1.219.66	1.31.67	1.90.67	1.149.67	1.208.67
1.43.66	1.102.66	1.161.66	1.220.66	1.32.67	1.91.67	1.150.67	1.209.67
1.44.66	1.103.66	1.162.66	1.221.66	1.33.67	1.92.67	1.151.67	1.210.67
1.45.66	1.104.66	1.163.66	1.222.66	1.34.67	1.93.67	1.152.67	1.211.67
1.46.66	1.105.66	1.164.66	1.223.66	1.35.67	1.94.67	1.153.67	1.212.67
1.47.66	1.106.66	1.165.66	1.224.66	1.36.67	1.95.67	1.154.67	1.213.67
1.48.66	1.107.66	1.166.66	1.225.66	1.37.67	1.96.67	1.155.67	1.214.67
1.49.66	1.108.66	1.167.66	1.226.66	1.38.67	1.97.67	1.156.67	1.215.67
1.50.66	1.109.66	1.168.66	1.227.66	1.39.67	1.98.67	1.157.67	1.216.67
1.51.66	1.110.66	1.169.66	1.228.66	1.40.67	1.99.67	1.158.67	1.217.67

1.210.67	1.30.68	1.07.68	1.170.68	1.207.68	1.19.69	1.78.69	1.137.69
1.219.67	1.31.68	1.90.68	1.149.68	1.208.68	1.20.69	1.79.69	1.138.69
1.220.67	1.32.68	1.91.68	1.150.68	1.209.68	1.21.69	1.80.69	1.139.69
1.221.67	1.33.68	1.92.68	1.151.68	1.210.68	1.22.69	1.81.69	1.140.69
1.222.67	1.34.68	1.93.68	1.152.68	1.211.68	1.23.69	1.82.69	1.141.69
1.223.67	1.35.68	1.94.68	1.153.68	1.212.68	1.24.69	1.83.69	1.142.69
1.224.67	1.36.68	1.95.68	1.154.68	1.213.68	1.25.69	1.84.69	1.143.69
1.225.67	1.37.68	1.96.68	1.155.68	1.214.68	1.26.69	1.85.69	1.144.69
1.226.67	1.38.68	1.97.68	1.156.68	1.215.68	1.27.69	1.86.69	1.145.69
1.227.67	1.39.68	1.98.68	1.157.68	1.216.68	1.28.69	1.87.69	1.146.69
1.228.67	1.40.68	1.99.68	1.158.68	1.217.68	1.29.69	1.88.69	1.147.69
1.229.67	1.41.68	1.100.68	1.159.68	1.218.68	1.30.69	1.89.69	1.148.69
1.230.67	1.42.68	1.101.68	1.160.68	1.219.68	1.31.69	1.90.69	1.149.69
1.231.67	1.43.68	1.102.68	1.161.68	1.220.68	1.32.69	1.91.69	1.150.69
1.232.67	1.44.68	1.103.68	1.162.68	1.221.68	1.33.69	1.92.69	1.151.69
1.233.67	1.45.68	1.104.68	1.163.68	1.222.68	1.34.69	1.93.69	1.152.69
1.234.67	1.46.68	1.105.68	1.164.68	1.223.68	1.35.69	1.94.69	1.153.69
1.235.67	1.47.68	1.106.68	1.165.68	1.224.68	1.36.69	1.95.69	1.154.69
1.236.67	1.48.68	1.107.68	1.166.68	1.225.68	1.37.69	1.96.69	1.155.69
1.237.67	1.49.68	1.108.68	1.167.68	1.226.68	1.38.69	1.97.69	1.156.69
1.238.67	1.50.68	1.109.68	1.168.68	1.227.68	1.39.69	1.98.69	1.157.69
1.239.67	1.51.68	1.110.68	1.169.68	1.228.68	1.40.69	1.99.69	1.158.69
1.240.67	1.52.68	1.111.68	1.170.68	1.229.68	1.41.69	1.100.69	1.159.69
1.241.67	1.53.68	1.112.68	1.171.68	1.230.68	1.42.69	1.101.69	1.160.69
1.242.67	1.54.68	1.113.68	1.172.68	1.231.68	1.43.69	1.102.69	1.161.69
1.243.67	1.55.68	1.114.68	1.173.68	1.232.68	1.44.69	1.103.69	1.162.69
1.244.67	1.56.68	1.115.68	1.174.68	1.233.68	1.45.69	1.104.69	1.163.69
1.245.67	1.57.68	1.116.68	1.175.68	1.234.68	1.46.69	1.105.69	1.164.69
1.246.67	1.58.68	1.117.68	1.176.68	1.235.68	1.47.69	1.106.69	1.165.69
1.247.67	1.59.68	1.118.68	1.177.68	1.236.68	1.48.69	1.107.69	1.166.69
1.1.68	1.60.68	1.119.68	1.178.68	1.237.68	1.49.69	1.108.69	1.167.69
1.2.68	1.61.68	1.120.68	1.179.68	1.238.68	1.50.69	1.109.69	1.168.69
1.3.68	1.62.68	1.121.68	1.180.68	1.239.68	1.51.69	1.110.69	1.169.69
1.4.68	1.63.68	1.122.68	1.181.68	1.240.68	1.52.69	1.111.69	1.170.69
1.5.68	1.64.68	1.123.68	1.182.68	1.241.68	1.53.69	1.112.69	1.171.69
1.6.68	1.65.68	1.124.68	1.183.68	1.242.68	1.54.69	1.113.69	1.172.69
1.7.68	1.66.68	1.125.68	1.184.68	1.243.68	1.55.69	1.114.69	1.173.69
1.8.68	1.67.68	1.126.68	1.185.68	1.244.68	1.56.69	1.115.69	1.174.69
1.9.68	1.68.68	1.127.68	1.186.68	1.245.68	1.57.69	1.116.69	1.175.69
1.10.68	1.69.68	1.128.68	1.187.68	1.246.68	1.58.69	1.117.69	1.176.69
1.11.68	1.70.68	1.129.68	1.188.68	1.247.68	1.59.69	1.118.69	1.177.69
1.12.68	1.71.68	1.130.68	1.189.68	1.1.69	1.60.69	1.119.69	1.178.69
1.13.68	1.72.68	1.131.68	1.190.68	1.2.69	1.61.69	1.120.69	1.179.69
1.14.68	1.73.68	1.132.68	1.191.68	1.3.69	1.62.69	1.121.69	1.180.69
1.15.68	1.74.68	1.133.68	1.192.68	1.4.69	1.63.69	1.122.69	1.181.69
1.16.68	1.75.68	1.134.68	1.193.68	1.5.69	1.64.69	1.123.69	1.182.69
1.17.68	1.76.68	1.135.68	1.194.68	1.6.69	1.65.69	1.124.69	1.183.69
1.18.68	1.77.68	1.136.68	1.195.68	1.7.69	1.66.69	1.125.69	1.184.69
1.19.68	1.78.68	1.137.68	1.196.68	1.8.69	1.67.69	1.126.69	1.185.69
1.20.68	1.79.68	1.138.68	1.197.68	1.9.69	1.68.69	1.127.69	1.186.69
1.21.68	1.80.68	1.139.68	1.198.68	1.10.69	1.69.69	1.128.69	1.187.69
1.22.68	1.81.68	1.140.68	1.199.68	1.11.69	1.70.69	1.129.69	1.188.69
1.23.68	1.82.68	1.141.68	1.200.68	1.12.69	1.71.69	1.130.69	1.189.69
1.24.68	1.83.68	1.142.68	1.201.68	1.13.69	1.72.69	1.131.69	1.190.69
1.25.68	1.84.68	1.143.68	1.202.68	1.14.69	1.73.69	1.132.69	1.191.69
1.26.68	1.85.68	1.144.68	1.203.68	1.15.69	1.74.69	1.133.69	1.192.69
1.27.68	1.86.68	1.145.68	1.204.68	1.16.69	1.75.69	1.134.69	1.193.69
1.28.68	1.87.68	1.146.68	1.205.68	1.17.69	1.76.69	1.135.69	1.194.69
1.29.68	1.88.68	1.147.68	1.206.68	1.18.69	1.77.69	1.136.69	1.195.69

1.197.69	1.9.70	1.68.70	1.127.70	1.185.70	1.244.70	1.56.71	1.115.71
1.198.69	1.10.70	1.69.70	1.128.70	1.186.70	1.245.70	1.57.71	1.116.71
1.199.69	1.11.70	1.70.70	1.129.70	1.187.70	1.246.70	1.58.71	1.117.71
1.200.69	1.12.70	1.71.70	1.130.70	1.188.70	1.247.70	1.59.71	1.118.71
1.201.69	1.13.70	1.72.70	1.131.70	1.189.70	1.1.71	1.60.71	1.119.71
1.202.69	1.14.70	1.73.70	1.132.70	1.190.70	1.2.71	1.61.71	1.120.71
1.203.69	1.15.70	1.74.70	1.133.70	1.191.70	1.3.71	1.62.71	1.121.71
1.204.69	1.16.70	1.75.70	1.134.70	1.192.70	1.4.71	1.63.71	1.122.71
1.205.69	1.17.70	1.76.70	1.135.70	1.193.70	1.5.71	1.64.71	1.123.71
1.206.69	1.18.70	1.77.70	1.136.70	1.194.70	1.6.71	1.65.71	1.124.71
1.207.69	1.19.70	1.78.70	1.137.70	1.195.70	1.7.71	1.66.71	1.125.71
1.208.69	1.20.70	1.79.70	1.138.70	1.196.70	1.8.71	1.67.71	1.126.71
1.209.69	1.21.70	1.80.70	1.139.70	1.197.70	1.9.71	1.68.71	1.127.71
1.210.69	1.22.70	1.81.70	1.140.70	1.198.70	1.10.71	1.69.71	1.128.71
1.211.69	1.23.70	1.82.70	1.141.70	1.199.70	1.11.71	1.70.71	1.129.71
1.212.69	1.24.70	1.83.70	1.142.70	1.200.70	1.12.71	1.71.71	1.130.71
1.213.69	1.25.70	1.84.70	1.143.70	1.201.70	1.13.71	1.72.71	1.131.71
1.214.69	1.26.70	1.85.70	1.144.70	1.202.70	1.14.71	1.73.71	1.132.71
1.215.69	1.27.70	1.86.70	1.145.70	1.203.70	1.15.71	1.74.71	1.133.71
1.216.69	1.28.70	1.87.70	1.146.70	1.204.70	1.16.71	1.75.71	1.134.71
1.217.69	1.29.70	1.88.70	1.147.70	1.205.70	1.17.71	1.76.71	1.135.71
1.218.69	1.30.70	1.89.70	1.148.70	1.206.70	1.18.71	1.77.71	1.136.71
1.219.69	1.31.70	1.90.70	1.149.70	1.207.70	1.19.71	1.78.71	1.137.71
1.220.69	1.32.70	1.91.70	1.150.70	1.208.70	1.20.71	1.79.71	1.138.71
1.221.69	1.33.70	1.92.70	1.151.70	1.209.70	1.21.71	1.80.71	1.139.71
1.222.69	1.34.70	1.93.70	1.152.70	1.210.70	1.22.71	1.81.71	1.140.71
1.223.69	1.35.70	1.94.70	1.153.70	1.211.70	1.23.71	1.82.71	1.141.71
1.224.69	1.36.70	1.95.70	1.154.70	1.212.70	1.24.71	1.83.71	1.142.71
1.225.69	1.37.70	1.96.70	1.155.70	1.213.70	1.25.71	1.84.71	1.143.71
1.226.69	1.38.70	1.97.70	1.156.70	1.214.70	1.26.71	1.85.71	1.144.71
1.227.69	1.39.70	1.98.70	1.157.70	1.215.70	1.27.71	1.86.71	1.145.71
1.228.69	1.40.70	1.99.70	1.158.70	1.216.70	1.28.71	1.87.71	1.146.71
1.229.69	1.41.70	1.100.70	1.159.70	1.217.70	1.29.71	1.88.71	1.147.71
1.230.69	1.42.70	1.101.70	1.160.70	1.218.70	1.30.71	1.89.71	1.148.71
1.231.69	1.43.70	1.102.70	1.161.70	1.219.70	1.31.71	1.90.71	1.149.71
1.232.69	1.44.70	1.103.70	1.162.70	1.220.70	1.32.71	1.91.71	1.150.71
1.233.69	1.45.70	1.104.70	1.163.70	1.221.70	1.33.71	1.92.71	1.151.71
1.234.69	1.46.70	1.105.70	1.164.70	1.222.70	1.34.71	1.93.71	1.152.71
1.235.69	1.47.70	1.106.70	1.165.70	1.223.70	1.35.71	1.94.71	1.153.71
1.236.69	1.48.70	1.107.70	1.166.70	1.224.70	1.36.71	1.95.71	1.154.71
1.237.69	1.49.70	1.108.70	1.167.70	1.225.70	1.37.71	1.96.71	1.155.71
1.238.69	1.50.70	1.109.70	1.168.70	1.226.70	1.38.71	1.97.71	1.156.71
1.239.69	1.51.70	1.110.70	1.169.70	1.227.70	1.39.71	1.98.71	1.157.71
1.240.69	1.52.70	1.111.70	1.170.70	1.228.70	1.40.71	1.99.71	1.158.71
1.241.69	1.53.70	1.112.70	1.171.70	1.229.70	1.41.71	1.100.71	1.159.71
1.242.69	1.54.70	1.113.70	1.172.70	1.230.70	1.42.71	1.101.71	1.160.71
1.243.69	1.55.70	1.114.70	1.173.70	1.231.70	1.43.71	1.102.71	1.161.71
1.244.69	1.56.70	1.115.70	1.174.70	1.232.70	1.44.71	1.103.71	1.162.71
1.245.69	1.57.70	1.116.70	1.175.70	1.233.70	1.45.71	1.104.71	1.163.71
1.246.69	1.58.70	1.117.70	1.176.70	1.234.70	1.46.71	1.105.71	1.164.71
1.247.69	1.59.70	1.118.70	1.177.70	1.235.70	1.47.71	1.106.71	1.165.71
1.1.70	1.60.70	1.119.70	1.178.70	1.236.70	1.48.71	1.107.71	1.166.71
1.2.70	1.61.70	1.120.70	1.179.70	1.237.70	1.49.71	1.108.71	1.167.71
1.3.70	1.62.70	1.121.70	1.180.70	1.238.70	1.50.71	1.109.71	1.168.71
1.4.70	1.63.70	1.122.70	1.181.70	1.239.70	1.51.71	1.110.71	1.169.71
1.5.70	1.64.70	1.123.70	1.182.70	1.240.70	1.52.71	1.111.71	1.170.71
1.6.70	1.65.70	1.124.70	1.183.70	1.241.70	1.53.71	1.112.71	1.171.71
1.7.70	1.66.70	1.125.70	1.184.70	1.242.70	1.54.71	1.113.71	1.172.71
				1.243.70	1.55.71	1.114.71	1.173.71

1.175.71	1.234.71	1.46.72	1.105.72	1.163.72	1.222.72	1.34.73	1.93.73
1.176.71	1.235.71	1.47.72	1.106.72	1.164.72	1.223.72	1.35.73	1.94.73
1.177.71	1.236.71	1.48.72	1.107.72	1.165.72	1.224.72	1.36.73	1.95.73
1.178.71	1.237.71	1.49.72	1.108.72	1.166.72	1.225.72	1.37.73	1.96.73
1.179.71	1.238.71	1.50.72	1.109.72	1.167.72	1.226.72	1.38.73	1.97.73
1.180.71	1.239.71	1.51.72	1.110.72	1.168.72	1.227.72	1.39.73	1.98.73
1.181.71	1.240.71	1.52.72	1.111.72	1.169.72	1.228.72	1.40.73	1.99.73
1.182.71	1.241.71	1.53.72	1.112.72	1.170.72	1.229.72	1.41.73	1.100.73
1.183.71	1.242.71	1.54.72	1.113.72	1.171.72	1.230.72	1.42.73	1.101.73
1.184.71	1.243.71	1.55.72	1.114.72	1.172.72	1.231.72	1.43.73	1.102.73
1.185.71	1.244.71	1.56.72	1.115.72	1.173.72	1.232.72	1.44.73	1.103.73
1.186.71	1.245.71	1.57.72	1.116.72	1.174.72	1.233.72	1.45.73	1.104.73
1.187.71	1.246.71	1.58.72	1.117.72	1.175.72	1.234.72	1.46.73	1.105.73
1.188.71	1.247.71	1.59.72	1.118.72	1.176.72	1.235.72	1.47.73	1.106.73
1.189.71	1.1.72	1.60.72	1.119.72	1.177.72	1.236.72	1.48.73	1.107.73
1.190.71	1.2.72	1.61.72	1.120.72	1.178.72	1.237.72	1.49.73	1.108.73
1.191.71	1.3.72	1.62.72	1.121.72	1.179.72	1.238.72	1.50.73	1.109.73
1.192.71	1.4.72	1.63.72	1.122.72	1.180.72	1.239.72	1.51.73	1.110.73
1.193.71	1.5.72	1.64.72	1.123.72	1.181.72	1.240.72	1.52.73	1.111.73
1.194.71	1.6.72	1.65.72	1.124.72	1.182.72	1.241.72	1.53.73	1.112.73
1.195.71	1.7.72	1.66.72	1.125.72	1.183.72	1.242.72	1.54.73	1.113.73
1.196.71	1.8.72	1.67.72	1.126.72	1.184.72	1.243.72	1.55.73	1.114.73
1.197.71	1.9.72	1.68.72	1.127.72	1.185.72	1.244.72	1.56.73	1.115.73
1.198.71	1.10.72	1.69.72	1.128.72	1.186.72	1.245.72	1.57.73	1.116.73
1.199.71	1.11.72	1.70.72	1.129.72	1.187.72	1.246.72	1.58.73	1.117.73
1.200.71	1.12.72	1.71.72	1.130.72	1.188.72	1.247.72	1.59.73	1.118.73
1.201.71	1.13.72	1.72.72	1.131.72	1.189.72	1.1.73	1.60.73	1.119.73
1.202.71	1.14.72	1.73.72	1.132.72	1.190.72	1.2.73	1.61.73	1.120.73
1.203.71	1.15.72	1.74.72	1.133.72	1.191.72	1.3.73	1.62.73	1.121.73
1.204.71	1.16.72	1.75.72	1.134.72	1.192.72	1.4.73	1.63.73	1.122.73
1.205.71	1.17.72	1.76.72	1.135.72	1.193.72	1.5.73	1.64.73	1.123.73
1.206.71	1.18.72	1.77.72	1.136.72	1.194.72	1.6.73	1.65.73	1.124.73
1.207.71	1.19.72	1.78.72	1.137.72	1.195.72	1.7.73	1.66.73	1.125.73
1.208.71	1.20.72	1.79.72	1.138.72	1.196.72	1.8.73	1.67.73	1.126.73
1.209.71	1.21.72	1.80.72	1.139.72	1.197.72	1.9.73	1.68.73	1.127.73
1.210.71	1.22.72	1.81.72	1.140.72	1.198.72	1.10.73	1.69.73	1.128.73
1.211.71	1.23.72	1.82.72	1.141.72	1.199.72	1.11.73	1.70.73	1.129.73
1.212.71	1.24.72	1.83.72	1.142.72	1.200.72	1.12.73	1.71.73	1.130.73
1.213.71	1.25.72	1.84.72	1.143.72	1.201.72	1.13.73	1.72.73	1.131.73
1.214.71	1.26.72	1.85.72	1.144.72	1.202.72	1.14.73	1.73.73	1.132.73
1.215.71	1.27.72	1.86.72	1.145.72	1.203.72	1.15.73	1.74.73	1.133.73
1.216.71	1.28.72	1.87.72	1.146.72	1.204.72	1.16.73	1.75.73	1.134.73
1.217.71	1.29.72	1.88.72	1.147.72	1.205.72	1.17.73	1.76.73	1.135.73
1.218.71	1.30.72	1.89.72	1.148.72	1.206.72	1.18.73	1.77.73	1.136.73
1.219.71	1.31.72	1.90.72	1.149.72	1.207.72	1.19.73	1.78.73	1.137.73
1.220.71	1.32.72	1.91.72	1.150.72	1.208.72	1.20.73	1.79.73	1.138.73
1.221.71	1.33.72	1.92.72	1.151.72	1.209.72	1.21.73	1.80.73	1.139.73
1.222.71	1.34.72	1.93.72	1.152.72	1.210.72	1.22.73	1.81.73	1.140.73
1.223.71	1.35.72	1.94.72	1.153.72	1.211.72	1.23.73	1.82.73	1.141.73
1.224.71	1.36.72	1.95.72	1.154.72	1.212.72	1.24.73	1.83.73	1.142.73
1.225.71	1.37.72	1.96.72	1.155.72	1.213.72	1.25.73	1.84.73	1.143.73
1.226.71	1.38.72	1.97.72	1.156.72	1.214.72	1.26.73	1.85.73	1.144.73
1.227.71	1.39.72	1.98.72	1.157.72	1.215.72	1.27.73	1.86.73	1.145.73
1.228.71	1.40.72	1.99.72	1.158.72	1.216.72	1.28.73	1.87.73	1.146.73
1.229.71	1.41.72	1.100.72	1.159.72	1.217.72	1.29.73	1.88.73	1.147.73
1.230.71	1.42.72	1.101.72	1.160.72	1.218.72	1.30.73	1.89.73	1.148.73
1.231.71	1.43.72	1.102.72	1.161.72	1.219.72	1.31.73	1.90.73	1.149.73
1.232.71	1.44.72	1.103.72	1.162.72	1.220.72	1.32.73	1.91.73	1.150.73
				1.221.72	1.33.73	1.92.73	1.151.73



				1.141.74	1.200.74	1.12.75	1.71.75
1.153.73	1.212.73	1.24.74	1.83.74	1.142.74	1.201.74	1.13.75	1.72.75
1.154.73	1.213.73	1.25.74	1.84.74	1.143.74	1.202.74	1.14.75	1.73.75
1.155.73	1.214.73	1.26.74	1.85.74	1.144.74	1.203.74	1.15.75	1.74.75
1.156.73	1.215.73	1.27.74	1.86.74	1.145.74	1.204.74	1.16.75	1.75.75
1.157.73	1.216.73	1.28.74	1.87.74	1.146.74	1.205.74	1.17.75	1.76.75
1.158.73	1.217.73	1.29.74	1.88.74	1.147.74	1.206.74	1.18.75	1.77.75
1.159.73	1.218.73	1.30.74	1.89.74	1.148.74	1.207.74	1.19.75	1.78.75
1.160.73	1.219.73	1.31.74	1.90.74	1.149.74	1.208.74	1.20.75	1.79.75
1.161.73	1.220.73	1.32.74	1.91.74	1.150.74	1.209.74	1.21.75	1.80.75
1.162.73	1.221.73	1.33.74	1.92.74	1.151.74	1.210.74	1.22.75	1.81.75
1.163.73	1.222.73	1.34.74	1.93.74	1.152.74	1.211.74	1.23.75	1.82.75
1.164.73	1.223.73	1.35.74	1.94.74	1.153.74	1.212.74	1.24.75	1.83.75
1.165.73	1.224.73	1.36.74	1.95.74	1.154.74	1.213.74	1.25.75	1.84.75
1.166.73	1.225.73	1.37.74	1.96.74	1.155.74	1.214.74	1.26.75	1.85.75
1.167.73	1.226.73	1.38.74	1.97.74	1.156.74	1.215.74	1.27.75	1.86.75
1.168.73	1.227.73	1.39.74	1.98.74	1.157.74	1.216.74	1.28.75	1.87.75
1.169.73	1.228.73	1.40.74	1.99.74	1.158.74	1.217.74	1.29.75	1.88.75
1.170.73	1.229.73	1.41.74	1.100.74	1.159.74	1.218.74	1.30.75	1.89.75
1.171.73	1.230.73	1.42.74	1.101.74	1.160.74	1.219.74	1.31.75	1.90.75
1.172.73	1.231.73	1.43.74	1.102.74	1.161.74	1.220.74	1.32.75	1.91.75
1.173.73	1.232.73	1.44.74	1.103.74	1.162.74	1.221.74	1.33.75	1.92.75
1.174.73	1.233.73	1.45.74	1.104.74	1.163.74	1.222.74	1.34.75	1.93.75
1.175.73	1.234.73	1.46.74	1.105.74	1.164.74	1.223.74	1.35.75	1.94.75
1.176.73	1.235.73	1.47.74	1.106.74	1.165.74	1.224.74	1.36.75	1.95.75
1.177.73	1.236.73	1.48.74	1.107.74	1.166.74	1.225.74	1.37.75	1.96.75
1.178.73	1.237.73	1.49.74	1.108.74	1.167.74	1.226.74	1.38.75	1.97.75
1.179.73	1.238.73	1.50.74	1.109.74	1.168.74	1.227.74	1.39.75	1.98.75
1.180.73	1.239.73	1.51.74	1.110.74	1.169.74	1.228.74	1.40.75	1.99.75
1.181.73	1.240.73	1.52.74	1.111.74	1.170.74	1.229.74	1.41.75	1.100.75
1.182.73	1.241.73	1.53.74	1.112.74	1.171.74	1.230.74	1.42.75	1.101.75
1.183.73	1.242.73	1.54.74	1.113.74	1.172.74	1.231.74	1.43.75	1.102.75
1.184.73	1.243.73	1.55.74	1.114.74	1.173.74	1.232.74	1.44.75	1.103.75
1.185.73	1.244.73	1.56.74	1.115.74	1.174.74	1.233.74	1.45.75	1.104.75
1.186.73	1.245.73	1.57.74	1.116.74	1.175.74	1.234.74	1.46.75	1.105.75
1.187.73	1.246.73	1.58.74	1.117.74	1.176.74	1.235.74	1.47.75	1.106.75
1.188.73	1.247.73	1.59.74	1.118.74	1.177.74	1.236.74	1.48.75	1.107.75
1.189.73	1.1.74	1.60.74	1.119.74	1.178.74	1.237.74	1.49.75	1.108.75
1.190.73	1.2.74	1.61.74	1.120.74	1.179.74	1.238.74	1.50.75	1.109.75
1.191.73	1.3.74	1.62.74	1.121.74	1.180.74	1.239.74	1.51.75	1.110.75
1.192.73	1.4.74	1.63.74	1.122.74	1.181.74	1.240.74	1.52.75	1.111.75
1.193.73	1.5.74	1.64.74	1.123.74	1.182.74	1.241.74	1.53.75	1.112.75
1.194.73	1.6.74	1.65.74	1.124.74	1.183.74	1.242.74	1.54.75	1.113.75
1.195.73	1.7.74	1.66.74	1.125.74	1.184.74	1.243.74	1.55.75	1.114.75
1.196.73	1.8.74	1.67.74	1.126.74	1.185.74	1.244.74	1.56.75	1.115.75
1.197.73	1.9.74	1.68.74	1.127.74	1.186.74	1.245.74	1.57.75	1.116.75
1.198.73	1.10.74	1.69.74	1.128.74	1.187.74	1.246.74	1.58.75	1.117.75
1.199.73	1.11.74	1.70.74	1.129.74	1.188.74	1.247.74	1.59.75	1.118.75
1.200.73	1.12.74	1.71.74	1.130.74	1.189.74	1.1.75	1.60.75	1.119.75
1.201.73	1.13.74	1.72.74	1.131.74	1.190.74	1.2.75	1.61.75	1.120.75
1.202.73	1.14.74	1.73.74	1.132.74	1.191.74	1.3.75	1.62.75	1.121.75
1.203.73	1.15.74	1.74.74	1.133.74	1.192.74	1.4.75	1.63.75	1.122.75
1.204.73	1.16.74	1.75.74	1.134.74	1.193.74	1.5.75	1.64.75	1.123.75
1.205.73	1.17.74	1.76.74	1.135.74	1.194.74	1.6.75	1.65.75	1.124.75
1.206.73	1.18.74	1.77.74	1.136.74	1.195.74	1.7.75	1.66.75	1.125.75
1.207.73	1.19.74	1.78.74	1.137.74	1.196.74	1.8.75	1.67.75	1.126.75
1.208.73	1.20.74	1.79.74	1.138.74	1.197.74	1.9.75	1.68.75	1.127.75
1.209.73	1.21.74	1.80.74	1.139.74	1.198.74	1.10.75	1.69.75	1.128.75
1.210.73	1.22.74	1.81.74	1.140.74	1.199.74	1.11.75	1.70.75	1.129.75

1.130.75	1.189.75	1.1.76	1.60.76	1.119.76	1.178.76	1.237.76	1.49.77
1.131.75	1.190.75	1.2.76	1.61.76	1.120.76	1.179.76	1.238.76	1.50.77
1.132.75	1.191.75	1.3.76	1.62.76	1.121.76	1.180.76	1.239.76	1.51.77
1.133.75	1.192.75	1.4.76	1.63.76	1.122.76	1.181.76	1.240.76	1.52.77
1.134.75	1.193.75	1.5.76	1.64.76	1.123.76	1.182.76	1.241.76	1.53.77
1.135.75	1.194.75	1.6.76	1.65.76	1.124.76	1.183.76	1.242.76	1.54.77
1.136.75	1.195.75	1.7.76	1.66.76	1.125.76	1.184.76	1.243.76	1.55.77
1.137.75	1.196.75	1.8.76	1.67.76	1.126.76	1.185.76	1.244.76	1.56.77
1.138.75	1.197.75	1.9.76	1.68.76	1.127.76	1.186.76	1.245.76	1.57.77
1.139.75	1.198.75	1.10.76	1.69.76	1.128.76	1.187.76	1.246.76	1.58.77
1.140.75	1.199.75	1.11.76	1.70.76	1.129.76	1.188.76	1.247.76	1.59.77
1.141.75	1.200.75	1.12.76	1.71.76	1.130.76	1.189.76	1.1.77	1.60.77
1.142.75	1.201.75	1.13.76	1.72.76	1.131.76	1.190.76	1.2.77	1.61.77
1.143.75	1.202.75	1.14.76	1.73.76	1.132.76	1.191.76	1.3.77	1.62.77
1.144.75	1.203.75	1.15.76	1.74.76	1.133.76	1.192.76	1.4.77	1.63.77
1.145.75	1.204.75	1.16.76	1.75.76	1.134.76	1.193.76	1.5.77	1.64.77
1.146.75	1.205.75	1.17.76	1.76.76	1.135.76	1.194.76	1.6.77	1.65.77
1.147.75	1.206.75	1.18.76	1.77.76	1.136.76	1.195.76	1.7.77	1.66.77
1.148.75	1.207.75	1.19.76	1.78.76	1.137.76	1.196.76	1.8.77	1.67.77
1.149.75	1.208.75	1.20.76	1.79.76	1.138.76	1.197.76	1.9.77	1.68.77
1.150.75	1.209.75	1.21.76	1.80.76	1.139.76	1.198.76	1.10.77	1.69.77
1.151.75	1.210.75	1.22.76	1.81.76	1.140.76	1.199.76	1.11.77	1.70.77
1.152.75	1.211.75	1.23.76	1.82.76	1.141.76	1.200.76	1.12.77	1.71.77
1.153.75	1.212.75	1.24.76	1.83.76	1.142.76	1.201.76	1.13.77	1.72.77
1.154.75	1.213.75	1.25.76	1.84.76	1.143.76	1.202.76	1.14.77	1.73.77
1.155.75	1.214.75	1.26.76	1.85.76	1.144.76	1.203.76	1.15.77	1.74.77
1.156.75	1.215.75	1.27.76	1.86.76	1.145.76	1.204.76	1.16.77	1.75.77
1.157.75	1.216.75	1.28.76	1.87.76	1.146.76	1.205.76	1.17.77	1.76.77
1.158.75	1.217.75	1.29.76	1.88.76	1.147.76	1.206.76	1.18.77	1.77.77
1.159.75	1.218.75	1.30.76	1.89.76	1.148.76	1.207.76	1.19.77	1.78.77
1.160.75	1.219.75	1.31.76	1.90.76	1.149.76	1.208.76	1.20.77	1.79.77
1.161.75	1.220.75	1.32.76	1.91.76	1.150.76	1.209.76	1.21.77	1.80.77
1.162.75	1.221.75	1.33.76	1.92.76	1.151.76	1.210.76	1.22.77	1.81.77
1.163.75	1.222.75	1.34.76	1.93.76	1.152.76	1.211.76	1.23.77	1.82.77
1.164.75	1.223.75	1.35.76	1.94.76	1.153.76	1.212.76	1.24.77	1.83.77
1.165.75	1.224.75	1.36.76	1.95.76	1.154.76	1.213.76	1.25.77	1.84.77
1.166.75	1.225.75	1.37.76	1.96.76	1.155.76	1.214.76	1.26.77	1.85.77
1.167.75	1.226.75	1.38.76	1.97.76	1.156.76	1.215.76	1.27.77	1.86.77
1.168.75	1.227.75	1.39.76	1.98.76	1.157.76	1.216.76	1.28.77	1.87.77
1.169.75	1.228.75	1.40.76	1.99.76	1.158.76	1.217.76	1.29.77	1.88.77
1.170.75	1.229.75	1.41.76	1.100.76	1.159.76	1.218.76	1.30.77	1.89.77
1.171.75	1.230.75	1.42.76	1.101.76	1.160.76	1.219.76	1.31.77	1.90.77
1.172.75	1.231.75	1.43.76	1.102.76	1.161.76	1.220.76	1.32.77	1.91.77
1.173.75	1.232.75	1.44.76	1.103.76	1.162.76	1.221.76	1.33.77	1.92.77
1.174.75	1.233.75	1.45.76	1.104.76	1.163.76	1.222.76	1.34.77	1.93.77
1.175.75	1.234.75	1.46.76	1.105.76	1.164.76	1.223.76	1.35.77	1.94.77
1.176.75	1.235.75	1.47.76	1.106.76	1.165.76	1.224.76	1.36.77	1.95.77
1.177.75	1.236.75	1.48.76	1.107.76	1.166.76	1.225.76	1.37.77	1.96.77
1.178.75	1.237.75	1.49.76	1.108.76	1.167.76	1.226.76	1.38.77	1.97.77
1.179.75	1.238.75	1.50.76	1.109.76	1.168.76	1.227.76	1.39.77	1.98.77
1.180.75	1.239.75	1.51.76	1.110.76	1.169.76	1.228.76	1.40.77	1.99.77
1.181.75	1.240.75	1.52.76	1.111.76	1.170.76	1.229.76	1.41.77	1.100.77
1.182.75	1.241.75	1.53.76	1.112.76	1.171.76	1.230.76	1.42.77	1.101.77
1.183.75	1.242.75	1.54.76	1.113.76	1.172.76	1.231.76	1.43.77	1.102.77
1.184.75	1.243.75	1.55.76	1.114.76	1.173.76	1.232.76	1.44.77	1.103.77
1.185.75	1.244.75	1.56.76	1.115.76	1.174.76	1.233.76	1.45.77	1.104.77
1.186.75	1.245.75	1.57.76	1.116.76	1.175.76	1.234.76	1.46.77	1.105.77
1.187.75	1.246.75	1.58.76	1.117.76	1.176.76	1.235.76	1.47.77	1.106.77
1.188.75	1.247.75	1.59.76	1.118.76	1.177.76	1.236.76	1.48.77	1.107.77

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1.108.77	1.167.77	1.226.77	1.38.78	1.97.78	1.156.78	1.215.78	1.27.79
1.109.77	1.168.77	1.227.77	1.39.78	1.98.78	1.157.78	1.216.78	1.28.79
1.110.77	1.169.77	1.228.77	1.40.78	1.99.78	1.158.78	1.217.78	1.29.79
1.111.77	1.170.77	1.229.77	1.41.78	1.100.78	1.159.78	1.218.78	1.30.79
1.112.77	1.171.77	1.230.77	1.42.78	1.101.78	1.160.78	1.219.78	1.31.79
1.113.77	1.172.77	1.231.77	1.43.78	1.102.78	1.161.78	1.220.78	1.32.79
1.114.77	1.173.77	1.232.77	1.44.78	1.103.78	1.162.78	1.221.78	1.33.79
1.115.77	1.174.77	1.233.77	1.45.78	1.104.78	1.163.78	1.222.78	1.34.79
1.116.77	1.175.77	1.234.77	1.46.78	1.105.78	1.164.78	1.223.78	1.35.79
1.117.77	1.176.77	1.235.77	1.47.78	1.106.78	1.165.78	1.224.78	1.36.79
1.118.77	1.177.77	1.236.77	1.48.78	1.107.78	1.166.78	1.225.78	1.37.79
1.119.77	1.178.77	1.237.77	1.49.78	1.108.78	1.167.78	1.226.78	1.38.79
1.120.77	1.179.77	1.238.77	1.50.78	1.109.78	1.168.78	1.227.78	1.39.79
1.121.77	1.180.77	1.239.77	1.51.78	1.110.78	1.169.78	1.228.78	1.40.79
1.122.77	1.181.77	1.240.77	1.52.78	1.111.78	1.170.78	1.229.78	1.41.79
1.123.77	1.182.77	1.241.77	1.53.78	1.112.78	1.171.78	1.230.78	1.42.79
1.124.77	1.183.77	1.242.77	1.54.78	1.113.78	1.172.78	1.231.78	1.43.79
1.125.77	1.184.77	1.243.77	1.55.78	1.114.78	1.173.78	1.232.78	1.44.79
1.126.77	1.185.77	1.244.77	1.56.78	1.115.78	1.174.78	1.233.78	1.45.79
1.127.77	1.186.77	1.245.77	1.57.78	1.116.78	1.175.78	1.234.78	1.46.79
1.128.77	1.187.77	1.246.77	1.58.78	1.117.78	1.176.78	1.235.78	1.47.79
1.129.77	1.188.77	1.247.77	1.59.78	1.118.78	1.177.78	1.236.78	1.48.79
1.130.77	1.189.77	1.1.78	1.60.78	1.119.78	1.178.78	1.237.78	1.49.79
1.131.77	1.190.77	1.2.78	1.61.78	1.120.78	1.179.78	1.238.78	1.50.79
1.132.77	1.191.77	1.3.78	1.62.78	1.121.78	1.180.78	1.239.78	1.51.79
1.133.77	1.192.77	1.4.78	1.63.78	1.122.78	1.181.78	1.240.78	1.52.79
1.134.77	1.193.77	1.5.78	1.64.78	1.123.78	1.182.78	1.241.78	1.53.79
1.135.77	1.194.77	1.6.78	1.65.78	1.124.78	1.183.78	1.242.78	1.54.79
1.136.77	1.195.77	1.7.78	1.66.78	1.125.78	1.184.78	1.243.78	1.55.79
1.137.77	1.196.77	1.8.78	1.67.78	1.126.78	1.185.78	1.244.78	1.56.79
1.138.77	1.197.77	1.9.78	1.68.78	1.127.78	1.186.78	1.245.78	1.57.79
1.139.77	1.198.77	1.10.78	1.69.78	1.128.78	1.187.78	1.246.78	1.58.79
1.140.77	1.199.77	1.11.78	1.70.78	1.129.78	1.188.78	1.247.78	1.59.79
1.141.77	1.200.77	1.12.78	1.71.78	1.130.78	1.189.78	1.1.79	1.60.79
1.142.77	1.201.77	1.13.78	1.72.78	1.131.78	1.190.78	1.2.79	1.61.79
1.143.77	1.202.77	1.14.78	1.73.78	1.132.78	1.191.78	1.3.79	1.62.79
1.144.77	1.203.77	1.15.78	1.74.78	1.133.78	1.192.78	1.4.79	1.63.79
1.145.77	1.204.77	1.16.78	1.75.78	1.134.78	1.193.78	1.5.79	1.64.79
1.146.77	1.205.77	1.17.78	1.76.78	1.135.78	1.194.78	1.6.79	1.65.79
1.147.77	1.206.77	1.18.78	1.77.78	1.136.78	1.195.78	1.7.79	1.66.79
1.148.77	1.207.77	1.19.78	1.78.78	1.137.78	1.196.78	1.8.79	1.67.79
1.149.77	1.208.77	1.20.78	1.79.78	1.138.78	1.197.78	1.9.79	1.68.79
1.150.77	1.209.77	1.21.78	1.80.78	1.139.78	1.198.78	1.10.79	1.69.79
1.151.77	1.210.77	1.22.78	1.81.78	1.140.78	1.199.78	1.11.79	1.70.79
1.152.77	1.211.77	1.23.78	1.82.78	1.141.78	1.200.78	1.12.79	1.71.79
1.153.77	1.212.77	1.24.78	1.83.78	1.142.78	1.201.78	1.13.79	1.72.79
1.154.77	1.213.77	1.25.78	1.84.78	1.143.78	1.202.78	1.14.79	1.73.79
1.155.77	1.214.77	1.26.78	1.85.78	1.144.78	1.203.78	1.15.79	1.74.79
1.156.77	1.215.77	1.27.78	1.86.78	1.145.78	1.204.78	1.16.79	1.75.79
1.157.77	1.216.77	1.28.78	1.87.78	1.146.78	1.205.78	1.17.79	1.76.79
1.158.77	1.217.77	1.29.78	1.88.78	1.147.78	1.206.78	1.18.79	1.77.79
1.159.77	1.218.77	1.30.78	1.89.78	1.148.78	1.207.78	1.19.79	1.78.79
1.160.77	1.219.77	1.31.78	1.90.78	1.149.78	1.208.78	1.20.79	1.79.79
1.161.77	1.220.77	1.32.78	1.91.78	1.150.78	1.209.78	1.21.79	1.80.79
1.162.77	1.221.77	1.33.78	1.92.78	1.151.78	1.210.78	1.22.79	1.81.79
1.163.77	1.222.77	1.34.78	1.93.78	1.152.78	1.211.78	1.23.79	1.82.79
1.164.77	1.223.77	1.35.78	1.94.78	1.153.78	1.212.78	1.24.79	1.83.79
1.165.77	1.224.77	1.36.78	1.95.78	1.154.78	1.213.78	1.25.79	1.84.79
1.166.77	1.225.77	1.37.78	1.96.78	1.155.78	1.214.78	1.26.79	1.85.79

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1.87.79	1.146.79	1.205.79	1.17.80	1.75.80	1.134.80	1.193.80	1.5.81
1.88.79	1.147.79	1.206.79	1.18.80	1.76.80	1.135.80	1.194.80	1.6.81
1.89.79	1.148.79	1.207.79	1.19.80	1.77.80	1.136.80	1.195.80	1.7.81
1.90.79	1.149.79	1.208.79	1.20.80	1.78.80	1.137.80	1.196.80	1.8.81
1.91.79	1.150.79	1.209.79	1.21.80	1.79.80	1.138.80	1.197.80	1.9.81
1.92.79	1.151.79	1.210.79	1.22.80	1.80.80	1.139.80	1.198.80	1.10.81
1.93.79	1.152.79	1.211.79	1.23.80	1.81.80	1.140.80	1.199.80	1.11.81
1.94.79	1.153.79	1.212.79	1.24.80	1.82.80	1.141.80	1.200.80	1.12.81
1.95.79	1.154.79	1.213.79	1.25.80	1.83.80	1.142.80	1.201.80	1.13.81
1.96.79	1.155.79	1.214.79	1.26.80	1.84.80	1.143.80	1.202.80	1.14.81
1.97.79	1.156.79	1.215.79	1.27.80	1.85.80	1.144.80	1.203.80	1.15.81
1.98.79	1.157.79	1.216.79	1.28.80	1.86.80	1.145.80	1.204.80	1.16.81
1.99.79	1.158.79	1.217.79	1.29.80	1.87.80	1.146.80	1.205.80	1.17.81
1.100.79	1.159.79	1.218.79	1.30.80	1.88.80	1.147.80	1.206.80	1.18.81
1.101.79	1.160.79	1.219.79	1.31.80	1.89.80	1.148.80	1.207.80	1.19.81
1.102.79	1.161.79	1.220.79	1.32.80	1.90.80	1.149.80	1.208.80	1.20.81
1.103.79	1.162.79	1.221.79	1.33.80	1.91.80	1.150.80	1.209.80	1.21.81
1.104.79	1.163.79	1.222.79	1.34.80	1.92.80	1.151.80	1.210.80	1.22.81
1.105.79	1.164.79	1.223.79	1.35.80	1.93.80	1.152.80	1.211.80	1.23.81
1.106.79	1.165.79	1.224.79	1.36.80	1.94.80	1.153.80	1.212.80	1.24.81
1.107.79	1.166.79	1.225.79	1.37.80	1.95.80	1.154.80	1.213.80	1.25.81
1.108.79	1.167.79	1.226.79	1.38.80	1.96.80	1.155.80	1.214.80	1.26.81
1.109.79	1.168.79	1.227.79	1.39.80	1.97.80	1.156.80	1.215.80	1.27.81
1.110.79	1.169.79	1.228.79	1.40.80	1.98.80	1.157.80	1.216.80	1.28.81
1.111.79	1.170.79	1.229.79	1.41.80	1.99.80	1.158.80	1.217.80	1.29.81
1.112.79	1.171.79	1.230.79	1.42.80	1.100.80	1.159.80	1.218.80	1.30.81
1.113.79	1.172.79	1.231.79	1.43.80	1.101.80	1.160.80	1.219.80	1.31.81
1.114.79	1.173.79	1.232.79	1.44.80	1.102.80	1.161.80	1.220.80	1.32.81
1.115.79	1.174.79	1.233.79	1.45.80	1.103.80	1.162.80	1.221.80	1.33.81
1.116.79	1.175.79	1.234.79	1.46.80	1.104.80	1.163.80	1.222.80	1.34.81
1.117.79	1.176.79	1.235.79	1.47.80	1.105.80	1.164.80	1.223.80	1.35.81
1.118.79	1.177.79	1.236.79	1.48.80	1.106.80	1.165.80	1.224.80	1.36.81
1.119.79	1.178.79	1.237.79	1.49.80	1.107.80	1.166.80	1.225.80	1.37.81
1.120.79	1.179.79	1.238.79	1.50.80	1.108.80	1.167.80	1.226.80	1.38.81
1.121.79	1.180.79	1.239.79	1.51.80	1.109.80	1.168.80	1.227.80	1.39.81
1.122.79	1.181.79	1.240.79	1.52.80	1.110.80	1.169.80	1.228.80	1.40.81
1.123.79	1.182.79	1.241.79	1.53.80	1.111.80	1.170.80	1.229.80	1.41.81
1.124.79	1.183.79	1.242.79	1.54.80	1.112.80	1.171.80	1.230.80	1.42.81
1.125.79	1.184.79	1.243.79	1.55.80	1.113.80	1.172.80	1.231.80	1.43.81
1.126.79	1.185.79	1.244.79	1.56.80	1.114.80	1.173.80	1.232.80	1.44.81
1.127.79	1.186.79	1.245.79	1.57.80	1.115.80	1.174.80	1.233.80	1.45.81
1.128.79	1.187.79	1.246.79	1.58.80	1.116.80	1.175.80	1.234.80	1.46.81
1.129.79	1.188.79	1.247.79	1.59.80	1.117.80	1.176.80	1.235.80	1.47.81
1.130.79	1.189.79	1.1.80	1.60.80	1.118.80	1.177.80	1.236.80	1.48.81
1.131.79	1.190.79	1.2.80	1.61.80	1.119.80	1.178.80	1.237.80	1.49.81
1.132.79	1.191.79	1.3.80	1.62.80	1.120.80	1.179.80	1.238.80	1.50.81
1.133.79	1.192.79	1.4.80	1.63.80	1.121.80	1.180.80	1.239.80	1.51.81
1.134.79	1.193.79	1.5.80	1.64.80	1.122.80	1.181.80	1.240.80	1.52.81
1.135.79	1.194.79	1.6.80	1.65.80	1.123.80	1.182.80	1.241.80	1.53.81
1.136.79	1.195.79	1.7.80	1.66.80	1.124.80	1.183.80	1.242.80	1.54.81
1.137.79	1.196.79	1.8.80	1.67.80	1.125.80	1.184.80	1.243.80	1.55.81
1.138.79	1.197.79	1.9.80	1.68.80	1.126.80	1.185.80	1.244.80	1.56.81
1.139.79	1.198.79	1.10.80	1.69.80	1.127.80	1.186.80	1.245.80	1.57.81
1.140.79	1.199.79	1.11.80	1.70.80	1.128.80	1.187.80	1.246.80	1.58.81
1.141.79	1.200.79	1.12.80	1.71.80	1.129.80	1.188.80	1.247.80	1.59.81
1.142.79	1.201.79	1.13.80	1.72.80	1.130.80	1.189.80	1.1.81	1.60.81
1.143.79	1.202.79	1.14.80	1.73.80	1.131.80	1.190.80	1.2.81	1.61.81
1.144.79	1.203.79	1.15.80	1.74.80	1.132.80	1.191.80	1.3.81	1.62.81
				1.133.80	1.192.80	1.4.81	1.63.81

1.07.81	1.123.81	1.182.81	1.241.81	1.53.82	1.112.82	1.171.82	1.230.82
1.65.81	1.124.81	1.183.81	1.242.81	1.54.82	1.113.82	1.172.82	1.231.82
1.66.81	1.125.81	1.184.81	1.243.81	1.55.82	1.114.82	1.173.82	1.232.82
1.67.81	1.126.81	1.185.81	1.244.81	1.56.82	1.115.82	1.174.82	1.233.82
1.68.81	1.127.81	1.186.81	1.245.81	1.57.82	1.116.82	1.175.82	1.234.82
1.69.81	1.128.81	1.187.81	1.246.81	1.58.82	1.117.82	1.176.82	1.235.82
1.70.81	1.129.81	1.188.81	1.247.81	1.59.82	1.118.82	1.177.82	1.236.82
1.71.81	1.130.81	1.189.81	1.1.82	1.60.82	1.119.82	1.178.82	1.237.82
1.72.81	1.131.81	1.190.81	1.2.82	1.61.82	1.120.82	1.179.82	1.238.82
1.73.81	1.132.81	1.191.81	1.3.82	1.62.82	1.121.82	1.180.82	1.239.82
1.74.81	1.133.81	1.192.81	1.4.82	1.63.82	1.122.82	1.181.82	1.240.82
1.75.81	1.134.81	1.193.81	1.5.82	1.64.82	1.123.82	1.182.82	1.241.82
1.76.81	1.135.81	1.194.81	1.6.82	1.65.82	1.124.82	1.183.82	1.242.82
1.77.81	1.136.81	1.195.81	1.7.82	1.66.82	1.125.82	1.184.82	1.243.82
1.78.81	1.137.81	1.196.81	1.8.82	1.67.82	1.126.82	1.185.82	1.244.82
1.79.81	1.138.81	1.197.81	1.9.82	1.68.82	1.127.82	1.186.82	1.245.82
1.80.81	1.139.81	1.198.81	1.10.82	1.69.82	1.128.82	1.187.82	1.246.82
1.81.81	1.140.81	1.199.81	1.11.82	1.70.82	1.129.82	1.188.82	1.247.82
1.82.81	1.141.81	1.200.81	1.12.82	1.71.82	1.130.82	1.189.82	1.1.83
1.83.81	1.142.81	1.201.81	1.13.82	1.72.82	1.131.82	1.190.82	1.2.83
1.84.81	1.143.81	1.202.81	1.14.82	1.73.82	1.132.82	1.191.82	1.3.83
1.85.81	1.144.81	1.203.81	1.15.82	1.74.82	1.133.82	1.192.82	1.4.83
1.86.81	1.145.81	1.204.81	1.16.82	1.75.82	1.134.82	1.193.82	1.5.83
1.87.81	1.146.81	1.205.81	1.17.82	1.76.82	1.135.82	1.194.82	1.6.83
1.88.81	1.147.81	1.206.81	1.18.82	1.77.82	1.136.82	1.195.82	1.7.83
1.89.81	1.148.81	1.207.81	1.19.82	1.78.82	1.137.82	1.196.82	1.8.83
1.90.81	1.149.81	1.208.81	1.20.82	1.79.82	1.138.82	1.197.82	1.9.83
1.91.81	1.150.81	1.209.81	1.21.82	1.80.82	1.139.82	1.198.82	1.10.83
1.92.81	1.151.81	1.210.81	1.22.82	1.81.82	1.140.82	1.199.82	1.11.83
1.93.81	1.152.81	1.211.81	1.23.82	1.82.82	1.141.82	1.200.82	1.12.83
1.94.81	1.153.81	1.212.81	1.24.82	1.83.82	1.142.82	1.201.82	1.13.83
1.95.81	1.154.81	1.213.81	1.25.82	1.84.82	1.143.82	1.202.82	1.14.83
1.96.81	1.155.81	1.214.81	1.26.82	1.85.82	1.144.82	1.203.82	1.15.83
1.97.81	1.156.81	1.215.81	1.27.82	1.86.82	1.145.82	1.204.82	1.16.83
1.98.81	1.157.81	1.216.81	1.28.82	1.87.82	1.146.82	1.205.82	1.17.83
1.99.81	1.158.81	1.217.81	1.29.82	1.88.82	1.147.82	1.206.82	1.18.83
1.100.81	1.159.81	1.218.81	1.30.82	1.89.82	1.148.82	1.207.82	1.19.83
1.101.81	1.160.81	1.219.81	1.31.82	1.90.82	1.149.82	1.208.82	1.20.83
1.102.81	1.161.81	1.220.81	1.32.82	1.91.82	1.150.82	1.209.82	1.21.83
1.103.81	1.162.81	1.221.81	1.33.82	1.92.82	1.151.82	1.210.82	1.22.83
1.104.81	1.163.81	1.222.81	1.34.82	1.93.82	1.152.82	1.211.82	1.23.83
1.105.81	1.164.81	1.223.81	1.35.82	1.94.82	1.153.82	1.212.82	1.24.83
1.106.81	1.165.81	1.224.81	1.36.82	1.95.82	1.154.82	1.213.82	1.25.83
1.107.81	1.166.81	1.225.81	1.37.82	1.96.82	1.155.82	1.214.82	1.26.83
1.108.81	1.167.81	1.226.81	1.38.82	1.97.82	1.156.82	1.215.82	1.27.83
1.109.81	1.168.81	1.227.81	1.39.82	1.98.82	1.157.82	1.216.82	1.28.83
1.110.81	1.169.81	1.228.81	1.40.82	1.99.82	1.158.82	1.217.82	1.29.83
1.111.81	1.170.81	1.229.81	1.41.82	1.100.82	1.159.82	1.218.82	1.30.83
1.112.81	1.171.81	1.230.81	1.42.82	1.101.82	1.160.82	1.219.82	1.31.83
1.113.81	1.172.81	1.231.81	1.43.82	1.102.82	1.161.82	1.220.82	1.32.83
1.114.81	1.173.81	1.232.81	1.44.82	1.103.82	1.162.82	1.221.82	1.33.83
1.115.81	1.174.81	1.233.81	1.45.82	1.104.82	1.163.82	1.222.82	1.34.83
1.116.81	1.175.81	1.234.81	1.46.82	1.105.82	1.164.82	1.223.82	1.35.83
1.117.81	1.176.81	1.235.81	1.47.82	1.106.82	1.165.82	1.224.82	1.36.83
1.118.81	1.177.81	1.236.81	1.48.82	1.107.82	1.166.82	1.225.82	1.37.83
1.119.81	1.178.81	1.237.81	1.49.82	1.108.82	1.167.82	1.226.82	1.38.83
1.120.81	1.179.81	1.238.81	1.50.82	1.109.82	1.168.82	1.227.82	1.39.83
1.121.81	1.180.81	1.239.81	1.51.82	1.110.82	1.169.82	1.228.82	1.40.83
1.122.81	1.181.81	1.240.81	1.52.82	1.111.82	1.170.82	1.229.82	1.41.83

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1.43.83	1.102.83	1.161.83	1.220.83	1.31.84	1.90.84	1.149.84	1.208.84
1.44.83	1.103.83	1.162.83	1.221.83	1.32.84	1.91.84	1.150.84	1.209.84
1.45.83	1.104.83	1.163.83	1.222.83	1.33.84	1.92.84	1.151.84	1.210.84
1.46.83	1.105.83	1.164.83	1.223.83	1.34.84	1.93.84	1.152.84	1.211.84
1.47.83	1.106.83	1.165.83	1.224.83	1.35.84	1.94.84	1.153.84	1.212.84
1.48.83	1.107.83	1.166.83	1.225.83	1.36.84	1.95.84	1.154.84	1.213.84
1.49.83	1.108.83	1.167.83	1.226.83	1.37.84	1.96.84	1.155.84	1.214.84
1.50.83	1.109.83	1.168.83	1.227.83	1.38.84	1.97.84	1.156.84	1.215.84
1.51.83	1.110.83	1.169.83	1.228.83	1.39.84	1.98.84	1.157.84	1.216.84
1.52.83	1.111.83	1.170.83	1.229.83	1.40.84	1.99.84	1.158.84	1.217.84
1.53.83	1.112.83	1.171.83	1.230.83	1.41.84	1.100.84	1.159.84	1.218.84
1.54.83	1.113.83	1.172.83	1.231.83	1.42.84	1.101.84	1.160.84	1.219.84
1.55.83	1.114.83	1.173.83	1.232.83	1.43.84	1.102.84	1.161.84	1.220.84
1.56.83	1.115.83	1.174.83	1.233.83	1.44.84	1.103.84	1.162.84	1.221.84
1.57.83	1.116.83	1.175.83	1.234.83	1.45.84	1.104.84	1.163.84	1.222.84
1.58.83	1.117.83	1.176.83	1.235.83	1.46.84	1.105.84	1.164.84	1.223.84
1.59.83	1.118.83	1.177.83	1.236.83	1.47.84	1.106.84	1.165.84	1.224.84
1.60.83	1.119.83	1.178.83	1.237.83	1.48.84	1.107.84	1.166.84	1.225.84
1.61.83	1.120.83	1.179.83	1.238.83	1.49.84	1.108.84	1.167.84	1.226.84
1.62.83	1.121.83	1.180.83	1.239.83	1.50.84	1.109.84	1.168.84	1.227.84
1.63.83	1.122.83	1.181.83	1.240.83	1.51.84	1.110.84	1.169.84	1.228.84
1.64.83	1.123.83	1.182.83	1.241.83	1.52.84	1.111.84	1.170.84	1.229.84
1.65.83	1.124.83	1.183.83	1.242.83	1.53.84	1.112.84	1.171.84	1.230.84
1.66.83	1.125.83	1.184.83	1.243.83	1.54.84	1.113.84	1.172.84	1.231.84
1.67.83	1.126.83	1.185.83	1.244.83	1.55.84	1.114.84	1.173.84	1.232.84
1.68.83	1.127.83	1.186.83	1.245.83	1.56.84	1.115.84	1.174.84	1.233.84
1.69.83	1.128.83	1.187.83	1.246.83	1.57.84	1.116.84	1.175.84	1.234.84
1.70.83	1.129.83	1.188.83	1.247.83	1.58.84	1.117.84	1.176.84	1.235.84
1.71.83	1.130.83	1.189.83	1.1.84	1.59.84	1.118.84	1.177.84	1.236.84
1.72.83	1.131.83	1.190.83	1.2.84	1.60.84	1.119.84	1.178.84	1.237.84
1.73.83	1.132.83	1.191.83	1.3.84	1.61.84	1.120.84	1.179.84	1.238.84
1.74.83	1.133.83	1.192.83	1.4.84	1.62.84	1.121.84	1.180.84	1.239.84
1.75.83	1.134.83	1.193.83	1.5.84	1.63.84	1.122.84	1.181.84	1.240.84
1.76.83	1.135.83	1.194.83	1.6.84	1.64.84	1.123.84	1.182.84	1.241.84
1.77.83	1.136.83	1.195.83	1.7.84	1.65.84	1.124.84	1.183.84	1.242.84
1.78.83	1.137.83	1.196.83	1.8.84	1.66.84	1.125.84	1.184.84	1.243.84
1.79.83	1.138.83	1.197.83	1.9.84	1.67.84	1.126.84	1.185.84	1.244.84
1.80.83	1.139.83	1.198.83	1.10.84	1.68.84	1.127.84	1.186.84	1.245.84
1.81.83	1.140.83	1.199.83	1.11.84	1.69.84	1.128.84	1.187.84	1.246.84
1.82.83	1.141.83	1.200.83	1.12.84	1.70.84	1.129.84	1.188.84	1.247.84
1.83.83	1.142.83	1.201.83	1.13.84	1.71.84	1.130.84	1.189.84	1.1.85
1.84.83	1.143.83	1.202.83	1.14.84	1.72.84	1.131.84	1.190.84	1.2.85
1.85.83	1.144.83	1.203.83	1.15.84	1.73.84	1.132.84	1.191.84	1.3.85
1.86.83	1.145.83	1.204.83	1.16.84	1.74.84	1.133.84	1.192.84	1.4.85
1.87.83	1.146.83	1.205.83	1.17.84	1.75.84	1.134.84	1.193.84	1.5.85
1.88.83	1.147.83	1.206.83	1.18.84	1.76.84	1.135.84	1.194.84	1.6.85
1.89.83	1.148.83	1.207.83	1.19.84	1.77.84	1.136.84	1.195.84	1.7.85
1.90.83	1.149.83	1.208.83	1.20.84	1.78.84	1.137.84	1.196.84	1.8.85
1.91.83	1.150.83	1.209.83	1.21.84	1.79.84	1.138.84	1.197.84	1.9.85
1.92.83	1.151.83	1.210.83	1.22.84	1.80.84	1.139.84	1.198.84	1.10.85
1.93.83	1.152.83	1.211.83	1.23.84	1.81.84	1.140.84	1.199.84	1.11.85
1.94.83	1.153.83	1.212.83	1.24.84	1.82.84	1.141.84	1.200.84	1.12.85
1.95.83	1.154.83	1.213.83	1.25.84	1.83.84	1.142.84	1.201.84	1.13.85
1.96.83	1.155.83	1.214.83	1.26.84	1.84.84	1.143.84	1.202.84	1.14.85
1.97.83	1.156.83	1.215.83	1.27.84	1.85.84	1.144.84	1.203.84	1.15.85
1.98.83	1.157.83	1.216.83	1.28.84	1.86.84	1.145.84	1.204.84	1.16.85
1.99.83	1.158.83	1.217.83	1.29.84	1.87.84	1.146.84	1.205.84	1.17.85
1.100.83	1.159.83	1.218.83	1.30.84	1.88.84	1.147.84	1.206.84	1.18.85
				1.89.84	1.148.84	1.207.84	1.19.85

1.20.85	1.77.85	1.133.85	1.198.85	1.9.86	1.68.86	1.127.86	1.186.86
1.21.85	1.80.85	1.139.85	1.198.85	1.10.86	1.69.86	1.128.86	1.187.86
1.22.85	1.81.85	1.140.85	1.199.85	1.11.86	1.70.86	1.129.86	1.188.86
1.23.85	1.82.85	1.141.85	1.200.85	1.12.86	1.71.86	1.130.86	1.189.86
1.24.85	1.83.85	1.142.85	1.201.85	1.13.86	1.72.86	1.131.86	1.190.86
1.25.85	1.84.85	1.143.85	1.202.85	1.14.86	1.73.86	1.132.86	1.191.86
1.26.85	1.85.85	1.144.85	1.203.85	1.15.86	1.74.86	1.133.86	1.192.86
1.27.85	1.86.85	1.145.85	1.204.85	1.16.86	1.75.86	1.134.86	1.193.86
1.28.85	1.87.85	1.146.85	1.205.85	1.17.86	1.76.86	1.135.86	1.194.86
1.29.85	1.88.85	1.147.85	1.206.85	1.18.86	1.77.86	1.136.86	1.195.86
1.30.85	1.89.85	1.148.85	1.207.85	1.19.86	1.78.86	1.137.86	1.196.86
1.31.85	1.90.85	1.149.85	1.208.85	1.20.86	1.79.86	1.138.86	1.197.86
1.32.85	1.91.85	1.150.85	1.209.85	1.21.86	1.80.86	1.139.86	1.198.86
1.33.85	1.92.85	1.151.85	1.210.85	1.22.86	1.81.86	1.140.86	1.199.86
1.34.85	1.93.85	1.152.85	1.211.85	1.23.86	1.82.86	1.141.86	1.200.86
1.35.85	1.94.85	1.153.85	1.212.85	1.24.86	1.83.86	1.142.86	1.201.86
1.36.85	1.95.85	1.154.85	1.213.85	1.25.86	1.84.86	1.143.86	1.202.86
1.37.85	1.96.85	1.155.85	1.214.85	1.26.86	1.85.86	1.144.86	1.203.86
1.38.85	1.97.85	1.156.85	1.215.85	1.27.86	1.86.86	1.145.86	1.204.86
1.39.85	1.98.85	1.157.85	1.216.85	1.28.86	1.87.86	1.146.86	1.205.86
1.40.85	1.99.85	1.158.85	1.217.85	1.29.86	1.88.86	1.147.86	1.206.86
1.41.85	1.100.85	1.159.85	1.218.85	1.30.86	1.89.86	1.148.86	1.207.86
1.42.85	1.101.85	1.160.85	1.219.85	1.31.86	1.90.86	1.149.86	1.208.86
1.43.85	1.102.85	1.161.85	1.220.85	1.32.86	1.91.86	1.150.86	1.209.86
1.44.85	1.103.85	1.162.85	1.221.85	1.33.86	1.92.86	1.151.86	1.210.86
1.45.85	1.104.85	1.163.85	1.222.85	1.34.86	1.93.86	1.152.86	1.211.86
1.46.85	1.105.85	1.164.85	1.223.85	1.35.86	1.94.86	1.153.86	1.212.86
1.47.85	1.106.85	1.165.85	1.224.85	1.36.86	1.95.86	1.154.86	1.213.86
1.48.85	1.107.85	1.166.85	1.225.85	1.37.86	1.96.86	1.155.86	1.214.86
1.49.85	1.108.85	1.167.85	1.226.85	1.38.86	1.97.86	1.156.86	1.215.86
1.50.85	1.109.85	1.168.85	1.227.85	1.39.86	1.98.86	1.157.86	1.216.86
1.51.85	1.110.85	1.169.85	1.228.85	1.40.86	1.99.86	1.158.86	1.217.86
1.52.85	1.111.85	1.170.85	1.229.85	1.41.86	1.100.86	1.159.86	1.218.86
1.53.85	1.112.85	1.171.85	1.230.85	1.42.86	1.101.86	1.160.86	1.219.86
1.54.85	1.113.85	1.172.85	1.231.85	1.43.86	1.102.86	1.161.86	1.220.86
1.55.85	1.114.85	1.173.85	1.232.85	1.44.86	1.103.86	1.162.86	1.221.86
1.56.85	1.115.85	1.174.85	1.233.85	1.45.86	1.104.86	1.163.86	1.222.86
1.57.85	1.116.85	1.175.85	1.234.85	1.46.86	1.105.86	1.164.86	1.223.86
1.58.85	1.117.85	1.176.85	1.235.85	1.47.86	1.106.86	1.165.86	1.224.86
1.59.85	1.118.85	1.177.85	1.236.85	1.48.86	1.107.86	1.166.86	1.225.86
1.60.85	1.119.85	1.178.85	1.237.85	1.49.86	1.108.86	1.167.86	1.226.86
1.61.85	1.120.85	1.179.85	1.238.85	1.50.86	1.109.86	1.168.86	1.227.86
1.62.85	1.121.85	1.180.85	1.239.85	1.51.86	1.110.86	1.169.86	1.228.86
1.63.85	1.122.85	1.181.85	1.240.85	1.52.86	1.111.86	1.170.86	1.229.86
1.64.85	1.123.85	1.182.85	1.241.85	1.53.86	1.112.86	1.171.86	1.230.86
1.65.85	1.124.85	1.183.85	1.242.85	1.54.86	1.113.86	1.172.86	1.231.86
1.66.85	1.125.85	1.184.85	1.243.85	1.55.86	1.114.86	1.173.86	1.232.86
1.67.85	1.126.85	1.185.85	1.244.85	1.56.86	1.115.86	1.174.86	1.233.86
1.68.85	1.127.85	1.186.85	1.245.85	1.57.86	1.116.86	1.175.86	1.234.86
1.69.85	1.128.85	1.187.85	1.246.85	1.58.86	1.117.86	1.176.86	1.235.86
1.70.85	1.129.85	1.188.85	1.247.85	1.59.86	1.118.86	1.177.86	1.236.86
1.71.85	1.130.85	1.189.85	1.1.86	1.60.86	1.119.86	1.178.86	1.237.86
1.72.85	1.131.85	1.190.85	1.2.86	1.61.86	1.120.86	1.179.86	1.238.86
1.73.85	1.132.85	1.191.85	1.3.86	1.62.86	1.121.86	1.180.86	1.239.86
1.74.85	1.133.85	1.192.85	1.4.86	1.63.86	1.122.86	1.181.86	1.240.86
1.75.85	1.134.85	1.193.85	1.5.86	1.64.86	1.123.86	1.182.86	1.241.86
1.76.85	1.135.85	1.194.85	1.6.86	1.65.86	1.124.86	1.183.86	1.242.86
1.77.85	1.136.85	1.195.85	1.7.86	1.66.86	1.125.86	1.184.86	1.243.86
1.78.85	1.137.85	1.196.85	1.8.86	1.67.86	1.126.86	1.185.86	1.244.86

1.246.86	1.58.87	1.117.87	1.176.87	1.234.87	1.46.88	1.105.88	1.164.88
1.247.86	1.59.87	1.118.87	1.177.87	1.235.87	1.47.88	1.106.88	1.165.88
1.1.87	1.60.87	1.119.87	1.178.87	1.236.87	1.48.88	1.107.88	1.166.88
1.2.87	1.61.87	1.120.87	1.179.87	1.237.87	1.49.88	1.108.88	1.167.88
1.3.87	1.62.87	1.121.87	1.180.87	1.238.87	1.50.88	1.109.88	1.168.88
1.4.87	1.63.87	1.122.87	1.181.87	1.239.87	1.51.88	1.110.88	1.169.88
1.5.87	1.64.87	1.123.87	1.182.87	1.240.87	1.52.88	1.111.88	1.170.88
1.6.87	1.65.87	1.124.87	1.183.87	1.241.87	1.53.88	1.112.88	1.171.88
1.7.87	1.66.87	1.125.87	1.184.87	1.242.87	1.54.88	1.113.88	1.172.88
1.8.87	1.67.87	1.126.87	1.185.87	1.243.87	1.55.88	1.114.88	1.173.88
1.9.87	1.68.87	1.127.87	1.186.87	1.244.87	1.56.88	1.115.88	1.174.88
1.10.87	1.69.87	1.128.87	1.187.87	1.245.87	1.57.88	1.116.88	1.175.88
1.11.87	1.70.87	1.129.87	1.188.87	1.246.87	1.58.88	1.117.88	1.176.88
1.12.87	1.71.87	1.130.87	1.189.87	1.247.87	1.59.88	1.118.88	1.177.88
1.13.87	1.72.87	1.131.87	1.190.87	1.1.88	1.60.88	1.119.88	1.178.88
1.14.87	1.73.87	1.132.87	1.191.87	1.2.88	1.61.88	1.120.88	1.179.88
1.15.87	1.74.87	1.133.87	1.192.87	1.3.88	1.62.88	1.121.88	1.180.88
1.16.87	1.75.87	1.134.87	1.193.87	1.4.88	1.63.88	1.122.88	1.181.88
1.17.87	1.76.87	1.135.87	1.194.87	1.5.88	1.64.88	1.123.88	1.182.88
1.18.87	1.77.87	1.136.87	1.195.87	1.6.88	1.65.88	1.124.88	1.183.88
1.19.87	1.78.87	1.137.87	1.196.87	1.7.88	1.66.88	1.125.88	1.184.88
1.20.87	1.79.87	1.138.87	1.197.87	1.8.88	1.67.88	1.126.88	1.185.88
1.21.87	1.80.87	1.139.87	1.198.87	1.9.88	1.68.88	1.127.88	1.186.88
1.22.87	1.81.87	1.140.87	1.199.87	1.10.88	1.69.88	1.128.88	1.187.88
1.23.87	1.82.87	1.141.87	1.200.87	1.11.88	1.70.88	1.129.88	1.188.88
1.24.87	1.83.87	1.142.87	1.201.87	1.12.88	1.71.88	1.130.88	1.189.88
1.25.87	1.84.87	1.143.87	1.202.87	1.13.88	1.72.88	1.131.88	1.190.88
1.26.87	1.85.87	1.144.87	1.203.87	1.14.88	1.73.88	1.132.88	1.191.88
1.27.87	1.86.87	1.145.87	1.204.87	1.15.88	1.74.88	1.133.88	1.192.88
1.28.87	1.87.87	1.146.87	1.205.87	1.16.88	1.75.88	1.134.88	1.193.88
1.29.87	1.88.87	1.147.87	1.206.87	1.17.88	1.76.88	1.135.88	1.194.88
1.30.87	1.89.87	1.148.87	1.207.87	1.18.88	1.77.88	1.136.88	1.195.88
1.31.87	1.90.87	1.149.87	1.208.87	1.19.88	1.78.88	1.137.88	1.196.88
1.32.87	1.91.87	1.150.87	1.209.87	1.20.88	1.79.88	1.138.88	1.197.88
1.33.87	1.92.87	1.151.87	1.210.87	1.21.88	1.80.88	1.139.88	1.198.88
1.34.87	1.93.87	1.152.87	1.211.87	1.22.88	1.81.88	1.140.88	1.199.88
1.35.87	1.94.87	1.153.87	1.212.87	1.23.88	1.82.88	1.141.88	1.200.88
1.36.87	1.95.87	1.154.87	1.213.87	1.24.88	1.83.88	1.142.88	1.201.88
1.37.87	1.96.87	1.155.87	1.214.87	1.25.88	1.84.88	1.143.88	1.202.88
1.38.87	1.97.87	1.156.87	1.215.87	1.26.88	1.85.88	1.144.88	1.203.88
1.39.87	1.98.87	1.157.87	1.216.87	1.27.88	1.86.88	1.145.88	1.204.88
1.40.87	1.99.87	1.158.87	1.217.87	1.28.88	1.87.88	1.146.88	1.205.88
1.41.87	1.100.87	1.159.87	1.218.87	1.29.88	1.88.88	1.147.88	1.206.88
1.42.87	1.101.87	1.160.87	1.219.87	1.30.88	1.89.88	1.148.88	1.207.88
1.43.87	1.102.87	1.161.87	1.220.87	1.31.88	1.90.88	1.149.88	1.208.88
1.44.87	1.103.87	1.162.87	1.221.87	1.32.88	1.91.88	1.150.88	1.209.88
1.45.87	1.104.87	1.163.87	1.222.87	1.33.88	1.92.88	1.151.88	1.210.88
1.46.87	1.105.87	1.164.87	1.223.87	1.34.88	1.93.88	1.152.88	1.211.88
1.47.87	1.106.87	1.165.87	1.224.87	1.35.88	1.94.88	1.153.88	1.212.88
1.48.87	1.107.87	1.166.87	1.225.87	1.36.88	1.95.88	1.154.88	1.213.88
1.49.87	1.108.87	1.167.87	1.226.87	1.37.88	1.96.88	1.155.88	1.214.88
1.50.87	1.109.87	1.168.87	1.227.87	1.38.88	1.97.88	1.156.88	1.215.88
1.51.87	1.110.87	1.169.87	1.228.87	1.39.88	1.98.88	1.157.88	1.216.88
1.52.87	1.111.87	1.170.87	1.229.87	1.40.88	1.99.88	1.158.88	1.217.88
1.53.87	1.112.87	1.171.87	1.230.87	1.41.88	1.100.88	1.159.88	1.218.88
1.54.87	1.113.87	1.172.87	1.231.87	1.42.88	1.101.88	1.160.88	1.219.88
1.55.87	1.114.87	1.173.87	1.232.87	1.43.88	1.102.88	1.161.88	1.220.88
1.56.87	1.115.87	1.174.87	1.233.87	1.44.88	1.103.88	1.162.88	1.221.88
				1.45.88	1.104.88	1.163.88	1.222.88



1.223.88	1.35.89	1.94.89	1.153.89	1.212.89	1.24.90	1.83.90	1.142.90
1.224.88	1.36.89	1.95.89	1.154.89	1.213.89	1.25.90	1.84.90	1.143.90
1.225.88	1.37.89	1.96.89	1.155.89	1.214.89	1.26.90	1.85.90	1.144.90
1.226.88	1.38.89	1.97.89	1.156.89	1.215.89	1.27.90	1.86.90	1.145.90
1.227.88	1.39.89	1.98.89	1.157.89	1.216.89	1.28.90	1.87.90	1.146.90
1.228.88	1.40.89	1.99.89	1.158.89	1.217.89	1.29.90	1.88.90	1.147.90
1.229.88	1.41.89	1.100.89	1.159.89	1.218.89	1.30.90	1.89.90	1.148.90
1.230.88	1.42.89	1.101.89	1.160.89	1.219.89	1.31.90	1.90.90	1.149.90
1.231.88	1.43.89	1.102.89	1.161.89	1.220.89	1.32.90	1.91.90	1.150.90
1.232.88	1.44.89	1.103.89	1.162.89	1.221.89	1.33.90	1.92.90	1.151.90
1.233.88	1.45.89	1.104.89	1.163.89	1.222.89	1.34.90	1.93.90	1.152.90
1.234.88	1.46.89	1.105.89	1.164.89	1.223.89	1.35.90	1.94.90	1.153.90
1.235.88	1.47.89	1.106.89	1.165.89	1.224.89	1.36.90	1.95.90	1.154.90
1.236.88	1.48.89	1.107.89	1.166.89	1.225.89	1.37.90	1.96.90	1.155.90
1.237.88	1.49.89	1.108.89	1.167.89	1.226.89	1.38.90	1.97.90	1.156.90
1.238.88	1.50.89	1.109.89	1.168.89	1.227.89	1.39.90	1.98.90	1.157.90
1.239.88	1.51.89	1.110.89	1.169.89	1.228.89	1.40.90	1.99.90	1.158.90
1.240.88	1.52.89	1.111.89	1.170.89	1.229.89	1.41.90	1.100.90	1.159.90
1.241.88	1.53.89	1.112.89	1.171.89	1.230.89	1.42.90	1.101.90	1.160.90
1.242.88	1.54.89	1.113.89	1.172.89	1.231.89	1.43.90	1.102.90	1.161.90
1.243.88	1.55.89	1.114.89	1.173.89	1.232.89	1.44.90	1.103.90	1.162.90
1.244.88	1.56.89	1.115.89	1.174.89	1.233.89	1.45.90	1.104.90	1.163.90
1.245.88	1.57.89	1.116.89	1.175.89	1.234.89	1.46.90	1.105.90	1.164.90
1.246.88	1.58.89	1.117.89	1.176.89	1.235.89	1.47.90	1.106.90	1.165.90
1.247.88	1.59.89	1.118.89	1.177.89	1.236.89	1.48.90	1.107.90	1.166.90
1.1.89	1.60.89	1.119.89	1.178.89	1.237.89	1.49.90	1.108.90	1.167.90
1.2.89	1.61.89	1.120.89	1.179.89	1.238.89	1.50.90	1.109.90	1.168.90
1.3.89	1.62.89	1.121.89	1.180.89	1.239.89	1.51.90	1.110.90	1.169.90
1.4.89	1.63.89	1.122.89	1.181.89	1.240.89	1.52.90	1.111.90	1.170.90
1.5.89	1.64.89	1.123.89	1.182.89	1.241.89	1.53.90	1.112.90	1.171.90
1.6.89	1.65.89	1.124.89	1.183.89	1.242.89	1.54.90	1.113.90	1.172.90
1.7.89	1.66.89	1.125.89	1.184.89	1.243.89	1.55.90	1.114.90	1.173.90
1.8.89	1.67.89	1.126.89	1.185.89	1.244.89	1.56.90	1.115.90	1.174.90
1.9.89	1.68.89	1.127.89	1.186.89	1.245.89	1.57.90	1.116.90	1.175.90
1.10.89	1.69.89	1.128.89	1.187.89	1.246.89	1.58.90	1.117.90	1.176.90
1.11.89	1.70.89	1.129.89	1.188.89	1.247.89	1.59.90	1.118.90	1.177.90
1.12.89	1.71.89	1.130.89	1.189.89	1.1.90	1.60.90	1.119.90	1.178.90
1.13.89	1.72.89	1.131.89	1.190.89	1.2.90	1.61.90	1.120.90	1.179.90
1.14.89	1.73.89	1.132.89	1.191.89	1.3.90	1.62.90	1.121.90	1.180.90
1.15.89	1.74.89	1.133.89	1.192.89	1.4.90	1.63.90	1.122.90	1.181.90
1.16.89	1.75.89	1.134.89	1.193.89	1.5.90	1.64.90	1.123.90	1.182.90
1.17.89	1.76.89	1.135.89	1.194.89	1.6.90	1.65.90	1.124.90	1.183.90
1.18.89	1.77.89	1.136.89	1.195.89	1.7.90	1.66.90	1.125.90	1.184.90
1.19.89	1.78.89	1.137.89	1.196.89	1.8.90	1.67.90	1.126.90	1.185.90
1.20.89	1.79.89	1.138.89	1.197.89	1.9.90	1.68.90	1.127.90	1.186.90
1.21.89	1.80.89	1.139.89	1.198.89	1.10.90	1.69.90	1.128.90	1.187.90
1.22.89	1.81.89	1.140.89	1.199.89	1.11.90	1.70.90	1.129.90	1.188.90
1.23.89	1.82.89	1.141.89	1.200.89	1.12.90	1.71.90	1.130.90	1.189.90
1.24.89	1.83.89	1.142.89	1.201.89	1.13.90	1.72.90	1.131.90	1.190.90
1.25.89	1.84.89	1.143.89	1.202.89	1.14.90	1.73.90	1.132.90	1.191.90
1.26.89	1.85.89	1.144.89	1.203.89	1.15.90	1.74.90	1.133.90	1.192.90
1.27.89	1.86.89	1.145.89	1.204.89	1.16.90	1.75.90	1.134.90	1.193.90
1.28.89	1.87.89	1.146.89	1.205.89	1.17.90	1.76.90	1.135.90	1.194.90
1.29.89	1.88.89	1.147.89	1.206.89	1.18.90	1.77.90	1.136.90	1.195.90
1.30.89	1.89.89	1.148.89	1.207.89	1.19.90	1.78.90	1.137.90	1.196.90
1.31.89	1.90.89	1.149.89	1.208.89	1.20.90	1.79.90	1.138.90	1.197.90
1.32.89	1.91.89	1.150.89	1.209.89	1.21.90	1.80.90	1.139.90	1.198.90
1.33.89	1.92.89	1.151.89	1.210.89	1.22.90	1.81.90	1.140.90	1.199.90
1.34.89	1.93.89	1.152.89	1.211.89	1.23.90	1.82.90	1.141.90	1.200.90

1.201.90	1.13.91	1.72.91	1.131.91	1.190.91	1.2.92	1.61.92	1.120.92
1.202.90	1.14.91	1.73.91	1.132.91	1.191.91	1.3.92	1.62.92	1.121.92
1.203.90	1.15.91	1.74.91	1.133.91	1.192.91	1.4.92	1.63.92	1.122.92
1.204.90	1.16.91	1.75.91	1.134.91	1.193.91	1.5.92	1.64.92	1.123.92
1.205.90	1.17.91	1.76.91	1.135.91	1.194.91	1.6.92	1.65.92	1.124.92
1.206.90	1.18.91	1.77.91	1.136.91	1.195.91	1.7.92	1.66.92	1.125.92
1.207.90	1.19.91	1.78.91	1.137.91	1.196.91	1.8.92	1.67.92	1.126.92
1.208.90	1.20.91	1.79.91	1.138.91	1.197.91	1.9.92	1.68.92	1.127.92
1.209.90	1.21.91	1.80.91	1.139.91	1.198.91	1.10.92	1.69.92	1.128.92
1.210.90	1.22.91	1.81.91	1.140.91	1.199.91	1.11.92	1.70.92	1.129.92
1.211.90	1.23.91	1.82.91	1.141.91	1.200.91	1.12.92	1.71.92	1.130.92
1.212.90	1.24.91	1.83.91	1.142.91	1.201.91	1.13.92	1.72.92	1.131.92
1.213.90	1.25.91	1.84.91	1.143.91	1.202.91	1.14.92	1.73.92	1.132.92
1.214.90	1.26.91	1.85.91	1.144.91	1.203.91	1.15.92	1.74.92	1.133.92
1.215.90	1.27.91	1.86.91	1.145.91	1.204.91	1.16.92	1.75.92	1.134.92
1.216.90	1.28.91	1.87.91	1.146.91	1.205.91	1.17.92	1.76.92	1.135.92
1.217.90	1.29.91	1.88.91	1.147.91	1.206.91	1.18.92	1.77.92	1.136.92
1.218.90	1.30.91	1.89.91	1.148.91	1.207.91	1.19.92	1.78.92	1.137.92
1.219.90	1.31.91	1.90.91	1.149.91	1.208.91	1.20.92	1.79.92	1.138.92
1.220.90	1.32.91	1.91.91	1.150.91	1.209.91	1.21.92	1.80.92	1.139.92
1.221.90	1.33.91	1.92.91	1.151.91	1.210.91	1.22.92	1.81.92	1.140.92
1.222.90	1.34.91	1.93.91	1.152.91	1.211.91	1.23.92	1.82.92	1.141.92
1.223.90	1.35.91	1.94.91	1.153.91	1.212.91	1.24.92	1.83.92	1.142.92
1.224.90	1.36.91	1.95.91	1.154.91	1.213.91	1.25.92	1.84.92	1.143.92
1.225.90	1.37.91	1.96.91	1.155.91	1.214.91	1.26.92	1.85.92	1.144.92
1.226.90	1.38.91	1.97.91	1.156.91	1.215.91	1.27.92	1.86.92	1.145.92
1.227.90	1.39.91	1.98.91	1.157.91	1.216.91	1.28.92	1.87.92	1.146.92
1.228.90	1.40.91	1.99.91	1.158.91	1.217.91	1.29.92	1.88.92	1.147.92
1.229.90	1.41.91	1.100.91	1.159.91	1.218.91	1.30.92	1.89.92	1.148.92
1.230.90	1.42.91	1.101.91	1.160.91	1.219.91	1.31.92	1.90.92	1.149.92
1.231.90	1.43.91	1.102.91	1.161.91	1.220.91	1.32.92	1.91.92	1.150.92
1.232.90	1.44.91	1.103.91	1.162.91	1.221.91	1.33.92	1.92.92	1.151.92
1.233.90	1.45.91	1.104.91	1.163.91	1.222.91	1.34.92	1.93.92	1.152.92
1.234.90	1.46.91	1.105.91	1.164.91	1.223.91	1.35.92	1.94.92	1.153.92
1.235.90	1.47.91	1.106.91	1.165.91	1.224.91	1.36.92	1.95.92	1.154.92
1.236.90	1.48.91	1.107.91	1.166.91	1.225.91	1.37.92	1.96.92	1.155.92
1.237.90	1.49.91	1.108.91	1.167.91	1.226.91	1.38.92	1.97.92	1.156.92
1.238.90	1.50.91	1.109.91	1.168.91	1.227.91	1.39.92	1.98.92	1.157.92
1.239.90	1.51.91	1.110.91	1.169.91	1.228.91	1.40.92	1.99.92	1.158.92
1.240.90	1.52.91	1.111.91	1.170.91	1.229.91	1.41.92	1.100.92	1.159.92
1.241.90	1.53.91	1.112.91	1.171.91	1.230.91	1.42.92	1.101.92	1.160.92
1.242.90	1.54.91	1.113.91	1.172.91	1.231.91	1.43.92	1.102.92	1.161.92
1.243.90	1.55.91	1.114.91	1.173.91	1.232.91	1.44.92	1.103.92	1.162.92
1.244.90	1.56.91	1.115.91	1.174.91	1.233.91	1.45.92	1.104.92	1.163.92
1.245.90	1.57.91	1.116.91	1.175.91	1.234.91	1.46.92	1.105.92	1.164.92
1.246.90	1.58.91	1.117.91	1.176.91	1.235.91	1.47.92	1.106.92	1.165.92
1.247.90	1.59.91	1.118.91	1.177.91	1.236.91	1.48.92	1.107.92	1.166.92
1.1.91	1.60.91	1.119.91	1.178.91	1.237.91	1.49.92	1.108.92	1.167.92
1.2.91	1.61.91	1.120.91	1.179.91	1.238.91	1.50.92	1.109.92	1.168.92
1.3.91	1.62.91	1.121.91	1.180.91	1.239.91	1.51.92	1.110.92	1.169.92
1.4.91	1.63.91	1.122.91	1.181.91	1.240.91	1.52.92	1.111.92	1.170.92
1.5.91	1.64.91	1.123.91	1.182.91	1.241.91	1.53.92	1.112.92	1.171.92
1.6.91	1.65.91	1.124.91	1.183.91	1.242.91	1.54.92	1.113.92	1.172.92
1.7.91	1.66.91	1.125.91	1.184.91	1.243.91	1.55.92	1.114.92	1.173.92
1.8.91	1.67.91	1.126.91	1.185.91	1.244.91	1.56.92	1.115.92	1.174.92
1.9.91	1.68.91	1.127.91	1.186.91	1.245.91	1.57.92	1.116.92	1.175.92
1.10.91	1.69.91	1.128.91	1.187.91	1.246.91	1.58.92	1.117.92	1.176.92
1.11.91	1.70.91	1.129.91	1.188.91	1.247.91	1.59.92	1.118.92	1.177.92
1.12.91	1.71.91	1.130.91	1.189.91	1.1.92	1.60.92	1.119.92	1.178.92

1.177.92	1.238.92	1.50.93	1.107.93	1.168.93	1.227.93	1.39.94	1.98.94
1.180.92	1.239.92	1.51.93	1.110.93	1.169.93	1.228.93	1.40.94	1.99.94
1.181.92	1.240.92	1.52.93	1.111.93	1.170.93	1.229.93	1.41.94	1.100.94
1.182.92	1.241.92	1.53.93	1.112.93	1.171.93	1.230.93	1.42.94	1.101.94
1.183.92	1.242.92	1.54.93	1.113.93	1.172.93	1.231.93	1.43.94	1.102.94
1.184.92	1.243.92	1.55.93	1.114.93	1.173.93	1.232.93	1.44.94	1.103.94
1.185.92	1.244.92	1.56.93	1.115.93	1.174.93	1.233.93	1.45.94	1.104.94
1.186.92	1.245.92	1.57.93	1.116.93	1.175.93	1.234.93	1.46.94	1.105.94
1.187.92	1.246.92	1.58.93	1.117.93	1.176.93	1.235.93	1.47.94	1.106.94
1.188.92	1.247.92	1.59.93	1.118.93	1.177.93	1.236.93	1.48.94	1.107.94
1.189.92	1.1.93	1.60.93	1.119.93	1.178.93	1.237.93	1.49.94	1.108.94
1.190.92	1.2.93	1.61.93	1.120.93	1.179.93	1.238.93	1.50.94	1.109.94
1.191.92	1.3.93	1.62.93	1.121.93	1.180.93	1.239.93	1.51.94	1.110.94
1.192.92	1.4.93	1.63.93	1.122.93	1.181.93	1.240.93	1.52.94	1.111.94
1.193.92	1.5.93	1.64.93	1.123.93	1.182.93	1.241.93	1.53.94	1.112.94
1.194.92	1.6.93	1.65.93	1.124.93	1.183.93	1.242.93	1.54.94	1.113.94
1.195.92	1.7.93	1.66.93	1.125.93	1.184.93	1.243.93	1.55.94	1.114.94
1.196.92	1.8.93	1.67.93	1.126.93	1.185.93	1.244.93	1.56.94	1.115.94
1.197.92	1.9.93	1.68.93	1.127.93	1.186.93	1.245.93	1.57.94	1.116.94
1.198.92	1.10.93	1.69.93	1.128.93	1.187.93	1.246.93	1.58.94	1.117.94
1.199.92	1.11.93	1.70.93	1.129.93	1.188.93	1.247.93	1.59.94	1.118.94
1.200.92	1.12.93	1.71.93	1.130.93	1.189.93	1.1.94	1.60.94	1.119.94
1.201.92	1.13.93	1.72.93	1.131.93	1.190.93	1.2.94	1.61.94	1.120.94
1.202.92	1.14.93	1.73.93	1.132.93	1.191.93	1.3.94	1.62.94	1.121.94
1.203.92	1.15.93	1.74.93	1.133.93	1.192.93	1.4.94	1.63.94	1.122.94
1.204.92	1.16.93	1.75.93	1.134.93	1.193.93	1.5.94	1.64.94	1.123.94
1.205.92	1.17.93	1.76.93	1.135.93	1.194.93	1.6.94	1.65.94	1.124.94
1.206.92	1.18.93	1.77.93	1.136.93	1.195.93	1.7.94	1.66.94	1.125.94
1.207.92	1.19.93	1.78.93	1.137.93	1.196.93	1.8.94	1.67.94	1.126.94
1.208.92	1.20.93	1.79.93	1.138.93	1.197.93	1.9.94	1.68.94	1.127.94
1.209.92	1.21.93	1.80.93	1.139.93	1.198.93	1.10.94	1.69.94	1.128.94
1.210.92	1.22.93	1.81.93	1.140.93	1.199.93	1.11.94	1.70.94	1.129.94
1.211.92	1.23.93	1.82.93	1.141.93	1.200.93	1.12.94	1.71.94	1.130.94
1.212.92	1.24.93	1.83.93	1.142.93	1.201.93	1.13.94	1.72.94	1.131.94
1.213.92	1.25.93	1.84.93	1.143.93	1.202.93	1.14.94	1.73.94	1.132.94
1.214.92	1.26.93	1.85.93	1.144.93	1.203.93	1.15.94	1.74.94	1.133.94
1.215.92	1.27.93	1.86.93	1.145.93	1.204.93	1.16.94	1.75.94	1.134.94
1.216.92	1.28.93	1.87.93	1.146.93	1.205.93	1.17.94	1.76.94	1.135.94
1.217.92	1.29.93	1.88.93	1.147.93	1.206.93	1.18.94	1.77.94	1.136.94
1.218.92	1.30.93	1.89.93	1.148.93	1.207.93	1.19.94	1.78.94	1.137.94
1.219.92	1.31.93	1.90.93	1.149.93	1.208.93	1.20.94	1.79.94	1.138.94
1.220.92	1.32.93	1.91.93	1.150.93	1.209.93	1.21.94	1.80.94	1.139.94
1.221.92	1.33.93	1.92.93	1.151.93	1.210.93	1.22.94	1.81.94	1.140.94
1.222.92	1.34.93	1.93.93	1.152.93	1.211.93	1.23.94	1.82.94	1.141.94
1.223.92	1.35.93	1.94.93	1.153.93	1.212.93	1.24.94	1.83.94	1.142.94
1.224.92	1.36.93	1.95.93	1.154.93	1.213.93	1.25.94	1.84.94	1.143.94
1.225.92	1.37.93	1.96.93	1.155.93	1.214.93	1.26.94	1.85.94	1.144.94
1.226.92	1.38.93	1.97.93	1.156.93	1.215.93	1.27.94	1.86.94	1.145.94
1.227.92	1.39.93	1.98.93	1.157.93	1.216.93	1.28.94	1.87.94	1.146.94
1.228.92	1.40.93	1.99.93	1.158.93	1.217.93	1.29.94	1.88.94	1.147.94
1.229.92	1.41.93	1.100.93	1.159.93	1.218.93	1.30.94	1.89.94	1.148.94
1.230.92	1.42.93	1.101.93	1.160.93	1.219.93	1.31.94	1.90.94	1.149.94
1.231.92	1.43.93	1.102.93	1.161.93	1.220.93	1.32.94	1.91.94	1.150.94
1.232.92	1.44.93	1.103.93	1.162.93	1.221.93	1.33.94	1.92.94	1.151.94
1.233.92	1.45.93	1.104.93	1.163.93	1.222.93	1.34.94	1.93.94	1.152.94
1.234.92	1.46.93	1.105.93	1.164.93	1.223.93	1.35.94	1.94.94	1.153.94
1.235.92	1.47.93	1.106.93	1.165.93	1.224.93	1.36.94	1.95.94	1.154.94
1.236.92	1.48.93	1.107.93	1.166.93	1.225.93	1.37.94	1.96.94	1.155.94
1.237.92	1.49.93	1.108.93	1.167.93	1.226.93	1.38.94	1.97.94	1.156.94

1.157.94	1.210.94	1.28.95	1.87.95	1.146.95	1.205.95	1.17.96	1.76.96
1.158.94	1.217.94	1.29.95	1.88.95	1.147.95	1.206.95	1.18.96	1.77.96
1.159.94	1.218.94	1.30.95	1.89.95	1.148.95	1.207.95	1.19.96	1.78.96
1.160.94	1.219.94	1.31.95	1.90.95	1.149.95	1.208.95	1.20.96	1.79.96
1.161.94	1.220.94	1.32.95	1.91.95	1.150.95	1.209.95	1.21.96	1.80.96
1.162.94	1.221.94	1.33.95	1.92.95	1.151.95	1.210.95	1.22.96	1.81.96
1.163.94	1.222.94	1.34.95	1.93.95	1.152.95	1.211.95	1.23.96	1.82.96
1.164.94	1.223.94	1.35.95	1.94.95	1.153.95	1.212.95	1.24.96	1.83.96
1.165.94	1.224.94	1.36.95	1.95.95	1.154.95	1.213.95	1.25.96	1.84.96
1.166.94	1.225.94	1.37.95	1.96.95	1.155.95	1.214.95	1.26.96	1.85.96
1.167.94	1.226.94	1.38.95	1.97.95	1.156.95	1.215.95	1.27.96	1.86.96
1.168.94	1.227.94	1.39.95	1.98.95	1.157.95	1.216.95	1.28.96	1.87.96
1.169.94	1.228.94	1.40.95	1.99.95	1.158.95	1.217.95	1.29.96	1.88.96
1.170.94	1.229.94	1.41.95	1.100.95	1.159.95	1.218.95	1.30.96	1.89.96
1.171.94	1.230.94	1.42.95	1.101.95	1.160.95	1.219.95	1.31.96	1.90.96
1.172.94	1.231.94	1.43.95	1.102.95	1.161.95	1.220.95	1.32.96	1.91.96
1.173.94	1.232.94	1.44.95	1.103.95	1.162.95	1.221.95	1.33.96	1.92.96
1.174.94	1.233.94	1.45.95	1.104.95	1.163.95	1.222.95	1.34.96	1.93.96
1.175.94	1.234.94	1.46.95	1.105.95	1.164.95	1.223.95	1.35.96	1.94.96
1.176.94	1.235.94	1.47.95	1.106.95	1.165.95	1.224.95	1.36.96	1.95.96
1.177.94	1.236.94	1.48.95	1.107.95	1.166.95	1.225.95	1.37.96	1.96.96
1.178.94	1.237.94	1.49.95	1.108.95	1.167.95	1.226.95	1.38.96	1.97.96
1.179.94	1.238.94	1.50.95	1.109.95	1.168.95	1.227.95	1.39.96	1.98.96
1.180.94	1.239.94	1.51.95	1.110.95	1.169.95	1.228.95	1.40.96	1.99.96
1.181.94	1.240.94	1.52.95	1.111.95	1.170.95	1.229.95	1.41.96	1.100.96
1.182.94	1.241.94	1.53.95	1.112.95	1.171.95	1.230.95	1.42.96	1.101.96
1.183.94	1.242.94	1.54.95	1.113.95	1.172.95	1.231.95	1.43.96	1.102.96
1.184.94	1.243.94	1.55.95	1.114.95	1.173.95	1.232.95	1.44.96	1.103.96
1.185.94	1.244.94	1.56.95	1.115.95	1.174.95	1.233.95	1.45.96	1.104.96
1.186.94	1.245.94	1.57.95	1.116.95	1.175.95	1.234.95	1.46.96	1.105.96
1.187.94	1.246.94	1.58.95	1.117.95	1.176.95	1.235.95	1.47.96	1.106.96
1.188.94	1.247.94	1.59.95	1.118.95	1.177.95	1.236.95	1.48.96	1.107.96
1.189.94	1.1.95	1.60.95	1.119.95	1.178.95	1.237.95	1.49.96	1.108.96
1.190.94	1.2.95	1.61.95	1.120.95	1.179.95	1.238.95	1.50.96	1.109.96
1.191.94	1.3.95	1.62.95	1.121.95	1.180.95	1.239.95	1.51.96	1.110.96
1.192.94	1.4.95	1.63.95	1.122.95	1.181.95	1.240.95	1.52.96	1.111.96
1.193.94	1.5.95	1.64.95	1.123.95	1.182.95	1.241.95	1.53.96	1.112.96
1.194.94	1.6.95	1.65.95	1.124.95	1.183.95	1.242.95	1.54.96	1.113.96
1.195.94	1.7.95	1.66.95	1.125.95	1.184.95	1.243.95	1.55.96	1.114.96
1.196.94	1.8.95	1.67.95	1.126.95	1.185.95	1.244.95	1.56.96	1.115.96
1.197.94	1.9.95	1.68.95	1.127.95	1.186.95	1.245.95	1.57.96	1.116.96
1.198.94	1.10.95	1.69.95	1.128.95	1.187.95	1.246.95	1.58.96	1.117.96
1.199.94	1.11.95	1.70.95	1.129.95	1.188.95	1.247.95	1.59.96	1.118.96
1.200.94	1.12.95	1.71.95	1.130.95	1.189.95	1.1.96	1.60.96	1.119.96
1.201.94	1.13.95	1.72.95	1.131.95	1.190.95	1.2.96	1.61.96	1.120.96
1.202.94	1.14.95	1.73.95	1.132.95	1.191.95	1.3.96	1.62.96	1.121.96
1.203.94	1.15.95	1.74.95	1.133.95	1.192.95	1.4.96	1.63.96	1.122.96
1.204.94	1.16.95	1.75.95	1.134.95	1.193.95	1.5.96	1.64.96	1.123.96
1.205.94	1.17.95	1.76.95	1.135.95	1.194.95	1.6.96	1.65.96	1.124.96
1.206.94	1.18.95	1.77.95	1.136.95	1.195.95	1.7.96	1.66.96	1.125.96
1.207.94	1.19.95	1.78.95	1.137.95	1.196.95	1.8.96	1.67.96	1.126.96
1.208.94	1.20.95	1.79.95	1.138.95	1.197.95	1.9.96	1.68.96	1.127.96
1.209.94	1.21.95	1.80.95	1.139.95	1.198.95	1.10.96	1.69.96	1.128.96
1.210.94	1.22.95	1.81.95	1.140.95	1.199.95	1.11.96	1.70.96	1.129.96
1.211.94	1.23.95	1.82.95	1.141.95	1.200.95	1.12.96	1.71.96	1.130.96
1.212.94	1.24.95	1.83.95	1.142.95	1.201.95	1.13.96	1.72.96	1.131.96
1.213.94	1.25.95	1.84.95	1.143.95	1.202.95	1.14.96	1.73.96	1.132.96
1.214.94	1.26.95	1.85.95	1.144.95	1.203.95	1.15.96	1.74.96	1.133.96
1.215.94	1.27.95	1.86.95	1.145.95	1.204.95	1.16.96	1.75.96	1.134.96

				1.124.97	1.183.97	1.242.97	1.54.98
1.136.96	1.195.96	1.7.97	1.66.97	1.125.97	1.184.97	1.243.97	1.55.98
1.137.96	1.196.96	1.8.97	1.67.97	1.126.97	1.185.97	1.244.97	1.56.98
1.138.96	1.197.96	1.9.97	1.68.97	1.127.97	1.186.97	1.245.97	1.57.98
1.139.96	1.198.96	1.10.97	1.69.97	1.128.97	1.187.97	1.246.97	1.58.98
1.140.96	1.199.96	1.11.97	1.70.97	1.129.97	1.188.97	1.247.97	1.59.98
1.141.96	1.200.96	1.12.97	1.71.97	1.130.97	1.189.97	1.1.98	1.60.98
1.142.96	1.201.96	1.13.97	1.72.97	1.131.97	1.190.97	1.2.98	1.61.98
1.143.96	1.202.96	1.14.97	1.73.97	1.132.97	1.191.97	1.3.98	1.62.98
1.144.96	1.203.96	1.15.97	1.74.97	1.133.97	1.192.97	1.4.98	1.63.98
1.145.96	1.204.96	1.16.97	1.75.97	1.134.97	1.193.97	1.5.98	1.64.98
1.146.96	1.205.96	1.17.97	1.76.97	1.135.97	1.194.97	1.6.98	1.65.98
1.147.96	1.206.96	1.18.97	1.77.97	1.136.97	1.195.97	1.7.98	1.66.98
1.148.96	1.207.96	1.19.97	1.78.97	1.137.97	1.196.97	1.8.98	1.67.98
1.149.96	1.208.96	1.20.97	1.79.97	1.138.97	1.197.97	1.9.98	1.68.98
1.150.96	1.209.96	1.21.97	1.80.97	1.139.97	1.198.97	1.10.98	1.69.98
1.151.96	1.210.96	1.22.97	1.81.97	1.140.97	1.199.97	1.11.98	1.70.98
1.152.96	1.211.96	1.23.97	1.82.97	1.141.97	1.200.97	1.12.98	1.71.98
1.153.96	1.212.96	1.24.97	1.83.97	1.142.97	1.201.97	1.13.98	1.72.98
1.154.96	1.213.96	1.25.97	1.84.97	1.143.97	1.202.97	1.14.98	1.73.98
1.155.96	1.214.96	1.26.97	1.85.97	1.144.97	1.203.97	1.15.98	1.74.98
1.156.96	1.215.96	1.27.97	1.86.97	1.145.97	1.204.97	1.16.98	1.75.98
1.157.96	1.216.96	1.28.97	1.87.97	1.146.97	1.205.97	1.17.98	1.76.98
1.158.96	1.217.96	1.29.97	1.88.97	1.147.97	1.206.97	1.18.98	1.77.98
1.159.96	1.218.96	1.30.97	1.89.97	1.148.97	1.207.97	1.19.98	1.78.98
1.160.96	1.219.96	1.31.97	1.90.97	1.149.97	1.208.97	1.20.98	1.79.98
1.161.96	1.220.96	1.32.97	1.91.97	1.150.97	1.209.97	1.21.98	1.80.98
1.162.96	1.221.96	1.33.97	1.92.97	1.151.97	1.210.97	1.22.98	1.81.98
1.163.96	1.222.96	1.34.97	1.93.97	1.152.97	1.211.97	1.23.98	1.82.98
1.164.96	1.223.96	1.35.97	1.94.97	1.153.97	1.212.97	1.24.98	1.83.98
1.165.96	1.224.96	1.36.97	1.95.97	1.154.97	1.213.97	1.25.98	1.84.98
1.166.96	1.225.96	1.37.97	1.96.97	1.155.97	1.214.97	1.26.98	1.85.98
1.167.96	1.226.96	1.38.97	1.97.97	1.156.97	1.215.97	1.27.98	1.86.98
1.168.96	1.227.96	1.39.97	1.98.97	1.157.97	1.216.97	1.28.98	1.87.98
1.169.96	1.228.96	1.40.97	1.99.97	1.158.97	1.217.97	1.29.98	1.88.98
1.170.96	1.229.96	1.41.97	1.100.97	1.159.97	1.218.97	1.30.98	1.89.98
1.171.96	1.230.96	1.42.97	1.101.97	1.160.97	1.219.97	1.31.98	1.90.98
1.172.96	1.231.96	1.43.97	1.102.97	1.161.97	1.220.97	1.32.98	1.91.98
1.173.96	1.232.96	1.44.97	1.103.97	1.162.97	1.221.97	1.33.98	1.92.98
1.174.96	1.233.96	1.45.97	1.104.97	1.163.97	1.222.97	1.34.98	1.93.98
1.175.96	1.234.96	1.46.97	1.105.97	1.164.97	1.223.97	1.35.98	1.94.98
1.176.96	1.235.96	1.47.97	1.106.97	1.165.97	1.224.97	1.36.98	1.95.98
1.177.96	1.236.96	1.48.97	1.107.97	1.166.97	1.225.97	1.37.98	1.96.98
1.178.96	1.237.96	1.49.97	1.108.97	1.167.97	1.226.97	1.38.98	1.97.98
1.179.96	1.238.96	1.50.97	1.109.97	1.168.97	1.227.97	1.39.98	1.98.98
1.180.96	1.239.96	1.51.97	1.110.97	1.169.97	1.228.97	1.40.98	1.99.98
1.181.96	1.240.96	1.52.97	1.111.97	1.170.97	1.229.97	1.41.98	1.100.98
1.182.96	1.241.96	1.53.97	1.112.97	1.171.97	1.230.97	1.42.98	1.101.98
1.183.96	1.242.96	1.54.97	1.113.97	1.172.97	1.231.97	1.43.98	1.102.98
1.184.96	1.243.96	1.55.97	1.114.97	1.173.97	1.232.97	1.44.98	1.103.98
1.185.96	1.244.96	1.56.97	1.115.97	1.174.97	1.233.97	1.45.98	1.104.98
1.186.96	1.245.96	1.57.97	1.116.97	1.175.97	1.234.97	1.46.98	1.105.98
1.187.96	1.246.96	1.58.97	1.117.97	1.176.97	1.235.97	1.47.98	1.106.98
1.188.96	1.247.96	1.59.97	1.118.97	1.177.97	1.236.97	1.48.98	1.107.98
1.189.96	1.1.97	1.60.97	1.119.97	1.178.97	1.237.97	1.49.98	1.108.98
1.190.96	1.2.97	1.61.97	1.120.97	1.179.97	1.238.97	1.50.98	1.109.98
1.191.96	1.3.97	1.62.97	1.121.97	1.180.97	1.239.97	1.51.98	1.110.98
1.192.96	1.4.97	1.63.97	1.122.97	1.181.97	1.240.97	1.52.98	1.111.98
1.193.96	1.5.97	1.64.97	1.123.97	1.182.97	1.241.97	1.53.98	1.112.98

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1.113.98	1.172.98	1.231.98	1.43.99	1.102.99	1.161.99	1.220.99	1.32.100
1.114.98	1.173.98	1.232.98	1.44.99	1.103.99	1.162.99	1.221.99	1.33.100
1.115.98	1.174.98	1.233.98	1.45.99	1.104.99	1.163.99	1.222.99	1.34.100
1.116.98	1.175.98	1.234.98	1.46.99	1.105.99	1.164.99	1.223.99	1.35.100
1.117.98	1.176.98	1.235.98	1.47.99	1.106.99	1.165.99	1.224.99	1.36.100
1.118.98	1.177.98	1.236.98	1.48.99	1.107.99	1.166.99	1.225.99	1.37.100
1.119.98	1.178.98	1.237.98	1.49.99	1.108.99	1.167.99	1.226.99	1.38.100
1.120.98	1.179.98	1.238.98	1.50.99	1.109.99	1.168.99	1.227.99	1.39.100
1.121.98	1.180.98	1.239.98	1.51.99	1.110.99	1.169.99	1.228.99	1.40.100
1.122.98	1.181.98	1.240.98	1.52.99	1.111.99	1.170.99	1.229.99	1.41.100
1.123.98	1.182.98	1.241.98	1.53.99	1.112.99	1.171.99	1.230.99	1.42.100
1.124.98	1.183.98	1.242.98	1.54.99	1.113.99	1.172.99	1.231.99	1.43.100
1.125.98	1.184.98	1.243.98	1.55.99	1.114.99	1.173.99	1.232.99	1.44.100
1.126.98	1.185.98	1.244.98	1.56.99	1.115.99	1.174.99	1.233.99	1.45.100
1.127.98	1.186.98	1.245.98	1.57.99	1.116.99	1.175.99	1.234.99	1.46.100
1.128.98	1.187.98	1.246.98	1.58.99	1.117.99	1.176.99	1.235.99	1.47.100
1.129.98	1.188.98	1.247.98	1.59.99	1.118.99	1.177.99	1.236.99	1.48.100
1.130.98	1.189.98	1.1.99	1.60.99	1.119.99	1.178.99	1.237.99	1.49.100
1.131.98	1.190.98	1.2.99	1.61.99	1.120.99	1.179.99	1.238.99	1.50.100
1.132.98	1.191.98	1.3.99	1.62.99	1.121.99	1.180.99	1.239.99	1.51.100
1.133.98	1.192.98	1.4.99	1.63.99	1.122.99	1.181.99	1.240.99	1.52.100
1.134.98	1.193.98	1.5.99	1.64.99	1.123.99	1.182.99	1.241.99	1.53.100
1.135.98	1.194.98	1.6.99	1.65.99	1.124.99	1.183.99	1.242.99	1.54.100
1.136.98	1.195.98	1.7.99	1.66.99	1.125.99	1.184.99	1.243.99	1.55.100
1.137.98	1.196.98	1.8.99	1.67.99	1.126.99	1.185.99	1.244.99	1.56.100
1.138.98	1.197.98	1.9.99	1.68.99	1.127.99	1.186.99	1.245.99	1.57.100
1.139.98	1.198.98	1.10.99	1.69.99	1.128.99	1.187.99	1.246.99	1.58.100
1.140.98	1.199.98	1.11.99	1.70.99	1.129.99	1.188.99	1.247.99	1.59.100
1.141.98	1.200.98	1.12.99	1.71.99	1.130.99	1.189.99	1.1.100	1.60.100
1.142.98	1.201.98	1.13.99	1.72.99	1.131.99	1.190.99	1.2.100	1.61.100
1.143.98	1.202.98	1.14.99	1.73.99	1.132.99	1.191.99	1.3.100	1.62.100
1.144.98	1.203.98	1.15.99	1.74.99	1.133.99	1.192.99	1.4.100	1.63.100
1.145.98	1.204.98	1.16.99	1.75.99	1.134.99	1.193.99	1.5.100	1.64.100
1.146.98	1.205.98	1.17.99	1.76.99	1.135.99	1.194.99	1.6.100	1.65.100
1.147.98	1.206.98	1.18.99	1.77.99	1.136.99	1.195.99	1.7.100	1.66.100
1.148.98	1.207.98	1.19.99	1.78.99	1.137.99	1.196.99	1.8.100	1.67.100
1.149.98	1.208.98	1.20.99	1.79.99	1.138.99	1.197.99	1.9.100	1.68.100
1.150.98	1.209.98	1.21.99	1.80.99	1.139.99	1.198.99	1.10.100	1.69.100
1.151.98	1.210.98	1.22.99	1.81.99	1.140.99	1.199.99	1.11.100	1.70.100
1.152.98	1.211.98	1.23.99	1.82.99	1.141.99	1.200.99	1.12.100	1.71.100
1.153.98	1.212.98	1.24.99	1.83.99	1.142.99	1.201.99	1.13.100	1.72.100
1.154.98	1.213.98	1.25.99	1.84.99	1.143.99	1.202.99	1.14.100	1.73.100
1.155.98	1.214.98	1.26.99	1.85.99	1.144.99	1.203.99	1.15.100	1.74.100
1.156.98	1.215.98	1.27.99	1.86.99	1.145.99	1.204.99	1.16.100	1.75.100
1.157.98	1.216.98	1.28.99	1.87.99	1.146.99	1.205.99	1.17.100	1.76.100
1.158.98	1.217.98	1.29.99	1.88.99	1.147.99	1.206.99	1.18.100	1.77.100
1.159.98	1.218.98	1.30.99	1.89.99	1.148.99	1.207.99	1.19.100	1.78.100
1.160.98	1.219.98	1.31.99	1.90.99	1.149.99	1.208.99	1.20.100	1.79.100
1.161.98	1.220.98	1.32.99	1.91.99	1.150.99	1.209.99	1.21.100	1.80.100
1.162.98	1.221.98	1.33.99	1.92.99	1.151.99	1.210.99	1.22.100	1.81.100
1.163.98	1.222.98	1.34.99	1.93.99	1.152.99	1.211.99	1.23.100	1.82.100
1.164.98	1.223.98	1.35.99	1.94.99	1.153.99	1.212.99	1.24.100	1.83.100
1.165.98	1.224.98	1.36.99	1.95.99	1.154.99	1.213.99	1.25.100	1.84.100
1.166.98	1.225.98	1.37.99	1.96.99	1.155.99	1.214.99	1.26.100	1.85.100
1.167.98	1.226.98	1.38.99	1.97.99	1.156.99	1.215.99	1.27.100	1.86.100
1.168.98	1.227.98	1.39.99	1.98.99	1.157.99	1.216.99	1.28.100	1.87.100
1.169.98	1.228.98	1.40.99	1.99.99	1.158.99	1.217.99	1.29.100	1.88.100
1.170.98	1.229.98	1.41.99	1.100.99	1.159.99	1.218.99	1.30.100	1.89.100
1.171.98	1.230.98	1.42.99	1.101.99	1.160.99	1.219.99	1.31.100	1.90.100

1.92.100	1.151.100	1.210.100	1.22.101	1.80.101	1.139.101	1.198.101	1.10.102
1.93.100	1.152.100	1.211.100	1.23.101	1.81.101	1.140.101	1.199.101	1.11.102
1.94.100	1.153.100	1.212.100	1.24.101	1.82.101	1.141.101	1.200.101	1.12.102
1.95.100	1.154.100	1.213.100	1.25.101	1.83.101	1.142.101	1.201.101	1.13.102
1.96.100	1.155.100	1.214.100	1.26.101	1.84.101	1.143.101	1.202.101	1.14.102
1.97.100	1.156.100	1.215.100	1.27.101	1.85.101	1.144.101	1.203.101	1.15.102
1.98.100	1.157.100	1.216.100	1.28.101	1.86.101	1.145.101	1.204.101	1.16.102
1.99.100	1.158.100	1.217.100	1.29.101	1.87.101	1.146.101	1.205.101	1.17.102
1.100.100	1.159.100	1.218.100	1.30.101	1.88.101	1.147.101	1.206.101	1.18.102
1.101.100	1.160.100	1.219.100	1.31.101	1.89.101	1.148.101	1.207.101	1.19.102
1.102.100	1.161.100	1.220.100	1.32.101	1.90.101	1.149.101	1.208.101	1.20.102
1.103.100	1.162.100	1.221.100	1.33.101	1.91.101	1.150.101	1.209.101	1.21.102
1.104.100	1.163.100	1.222.100	1.34.101	1.92.101	1.151.101	1.210.101	1.22.102
1.105.100	1.164.100	1.223.100	1.35.101	1.93.101	1.152.101	1.211.101	1.23.102
1.106.100	1.165.100	1.224.100	1.36.101	1.94.101	1.153.101	1.212.101	1.24.102
1.107.100	1.166.100	1.225.100	1.37.101	1.95.101	1.154.101	1.213.101	1.25.102
1.108.100	1.167.100	1.226.100	1.38.101	1.96.101	1.155.101	1.214.101	1.26.102
1.109.100	1.168.100	1.227.100	1.39.101	1.97.101	1.156.101	1.215.101	1.27.102
1.110.100	1.169.100	1.228.100	1.40.101	1.98.101	1.157.101	1.216.101	1.28.102
1.111.100	1.170.100	1.229.100	1.41.101	1.99.101	1.158.101	1.217.101	1.29.102
1.112.100	1.171.100	1.230.100	1.42.101	1.100.101	1.159.101	1.218.101	1.30.102
1.113.100	1.172.100	1.231.100	1.43.101	1.101.101	1.160.101	1.219.101	1.31.102
1.114.100	1.173.100	1.232.100	1.44.101	1.102.101	1.161.101	1.220.101	1.32.102
1.115.100	1.174.100	1.233.100	1.45.101	1.103.101	1.162.101	1.221.101	1.33.102
1.116.100	1.175.100	1.234.100	1.46.101	1.104.101	1.163.101	1.222.101	1.34.102
1.117.100	1.176.100	1.235.100	1.47.101	1.105.101	1.164.101	1.223.101	1.35.102
1.118.100	1.177.100	1.236.100	1.48.101	1.106.101	1.165.101	1.224.101	1.36.102
1.119.100	1.178.100	1.237.100	1.49.101	1.107.101	1.166.101	1.225.101	1.37.102
1.120.100	1.179.100	1.238.100	1.50.101	1.108.101	1.167.101	1.226.101	1.38.102
1.121.100	1.180.100	1.239.100	1.51.101	1.109.101	1.168.101	1.227.101	1.39.102
1.122.100	1.181.100	1.240.100	1.52.101	1.110.101	1.169.101	1.228.101	1.40.102
1.123.100	1.182.100	1.241.100	1.53.101	1.111.101	1.170.101	1.229.101	1.41.102
1.124.100	1.183.100	1.242.100	1.54.101	1.112.101	1.171.101	1.230.101	1.42.102
1.125.100	1.184.100	1.243.100	1.55.101	1.113.101	1.172.101	1.231.101	1.43.102
1.126.100	1.185.100	1.244.100	1.56.101	1.114.101	1.173.101	1.232.101	1.44.102
1.127.100	1.186.100	1.245.100	1.57.101	1.115.101	1.174.101	1.233.101	1.45.102
1.128.100	1.187.100	1.246.100	1.58.101	1.116.101	1.175.101	1.234.101	1.46.102
1.129.100	1.188.100	1.247.100	1.59.101	1.117.101	1.176.101	1.235.101	1.47.102
1.130.100	1.189.100	1.1.101	1.60.101	1.118.101	1.177.101	1.236.101	1.48.102
1.131.100	1.190.100	1.2.101	1.61.101	1.119.101	1.178.101	1.237.101	1.49.102
1.132.100	1.191.100	1.3.101	1.62.101	1.120.101	1.179.101	1.238.101	1.50.102
1.133.100	1.192.100	1.4.101	1.63.101	1.121.101	1.180.101	1.239.101	1.51.102
1.134.100	1.193.100	1.5.101	1.64.101	1.122.101	1.181.101	1.240.101	1.52.102
1.135.100	1.194.100	1.6.101	1.65.101	1.123.101	1.182.101	1.241.101	1.53.102
1.136.100	1.195.100	1.7.101	1.66.101	1.124.101	1.183.101	1.242.101	1.54.102
1.137.100	1.196.100	1.8.101	1.67.101	1.125.101	1.184.101	1.243.101	1.55.102
1.138.100	1.197.100	1.9.101	1.68.101	1.126.101	1.185.101	1.244.101	1.56.102
1.139.100	1.198.100	1.10.101	1.69.101	1.127.101	1.186.101	1.245.101	1.57.102
1.140.100	1.199.100	1.11.101	1.70.101	1.128.101	1.187.101	1.246.101	1.58.102
1.141.100	1.200.100	1.12.101	1.71.101	1.129.101	1.188.101	1.247.101	1.59.102
1.142.100	1.201.100	1.13.101	1.72.101	1.130.101	1.189.101	1.1.102	1.60.102
1.143.100	1.202.100	1.14.101	1.73.101	1.131.101	1.190.101	1.2.102	1.61.102
1.144.100	1.203.100	1.15.101	1.74.101	1.132.101	1.191.101	1.3.102	1.62.102
1.145.100	1.204.100	1.16.101	1.75.101	1.133.101	1.192.101	1.4.102	1.63.102
1.146.100	1.205.100	1.17.101	1.76.101	1.134.101	1.193.101	1.5.102	1.64.102
1.147.100	1.206.100	1.18.101	1.77.101	1.135.101	1.194.101	1.6.102	1.65.102
1.148.100	1.207.100	1.19.101	1.78.101	1.136.101	1.195.101	1.7.102	1.66.102
1.149.100	1.208.100	1.20.101	1.79.101	1.137.101	1.196.101	1.8.102	1.67.102
				1.138.101	1.197.101	1.9.102	1.68.102

1.69.102	1.128.102	1.187.102	1.270.102	1.58.103	1.117.103	1.176.103	1.235.103
1.70.102	1.129.102	1.188.102	1.247.102	1.59.103	1.118.103	1.177.103	1.236.103
1.71.102	1.130.102	1.189.102	1.1.103	1.60.103	1.119.103	1.178.103	1.237.103
1.72.102	1.131.102	1.190.102	1.2.103	1.61.103	1.120.103	1.179.103	1.238.103
1.73.102	1.132.102	1.191.102	1.3.103	1.62.103	1.121.103	1.180.103	1.239.103
1.74.102	1.133.102	1.192.102	1.4.103	1.63.103	1.122.103	1.181.103	1.240.103
1.75.102	1.134.102	1.193.102	1.5.103	1.64.103	1.123.103	1.182.103	1.241.103
1.76.102	1.135.102	1.194.102	1.6.103	1.65.103	1.124.103	1.183.103	1.242.103
1.77.102	1.136.102	1.195.102	1.7.103	1.66.103	1.125.103	1.184.103	1.243.103
1.78.102	1.137.102	1.196.102	1.8.103	1.67.103	1.126.103	1.185.103	1.244.103
1.79.102	1.138.102	1.197.102	1.9.103	1.68.103	1.127.103	1.186.103	1.245.103
1.80.102	1.139.102	1.198.102	1.10.103	1.69.103	1.128.103	1.187.103	1.246.103
1.81.102	1.140.102	1.199.102	1.11.103	1.70.103	1.129.103	1.188.103	1.247.103
1.82.102	1.141.102	1.200.102	1.12.103	1.71.103	1.130.103	1.189.103	1.1.104
1.83.102	1.142.102	1.201.102	1.13.103	1.72.103	1.131.103	1.190.103	1.2.104
1.84.102	1.143.102	1.202.102	1.14.103	1.73.103	1.132.103	1.191.103	1.3.104
1.85.102	1.144.102	1.203.102	1.15.103	1.74.103	1.133.103	1.192.103	1.4.104
1.86.102	1.145.102	1.204.102	1.16.103	1.75.103	1.134.103	1.193.103	1.5.104
1.87.102	1.146.102	1.205.102	1.17.103	1.76.103	1.135.103	1.194.103	1.6.104
1.88.102	1.147.102	1.206.102	1.18.103	1.77.103	1.136.103	1.195.103	1.7.104
1.89.102	1.148.102	1.207.102	1.19.103	1.78.103	1.137.103	1.196.103	1.8.104
1.90.102	1.149.102	1.208.102	1.20.103	1.79.103	1.138.103	1.197.103	1.9.104
1.91.102	1.150.102	1.209.102	1.21.103	1.80.103	1.139.103	1.198.103	1.10.104
1.92.102	1.151.102	1.210.102	1.22.103	1.81.103	1.140.103	1.199.103	1.11.104
1.93.102	1.152.102	1.211.102	1.23.103	1.82.103	1.141.103	1.200.103	1.12.104
1.94.102	1.153.102	1.212.102	1.24.103	1.83.103	1.142.103	1.201.103	1.13.104
1.95.102	1.154.102	1.213.102	1.25.103	1.84.103	1.143.103	1.202.103	1.14.104
1.96.102	1.155.102	1.214.102	1.26.103	1.85.103	1.144.103	1.203.103	1.15.104
1.97.102	1.156.102	1.215.102	1.27.103	1.86.103	1.145.103	1.204.103	1.16.104
1.98.102	1.157.102	1.216.102	1.28.103	1.87.103	1.146.103	1.205.103	1.17.104
1.99.102	1.158.102	1.217.102	1.29.103	1.88.103	1.147.103	1.206.103	1.18.104
1.100.102	1.159.102	1.218.102	1.30.103	1.89.103	1.148.103	1.207.103	1.19.104
1.101.102	1.160.102	1.219.102	1.31.103	1.90.103	1.149.103	1.208.103	1.20.104
1.102.102	1.161.102	1.220.102	1.32.103	1.91.103	1.150.103	1.209.103	1.21.104
1.103.102	1.162.102	1.221.102	1.33.103	1.92.103	1.151.103	1.210.103	1.22.104
1.104.102	1.163.102	1.222.102	1.34.103	1.93.103	1.152.103	1.211.103	1.23.104
1.105.102	1.164.102	1.223.102	1.35.103	1.94.103	1.153.103	1.212.103	1.24.104
1.106.102	1.165.102	1.224.102	1.36.103	1.95.103	1.154.103	1.213.103	1.25.104
1.107.102	1.166.102	1.225.102	1.37.103	1.96.103	1.155.103	1.214.103	1.26.104
1.108.102	1.167.102	1.226.102	1.38.103	1.97.103	1.156.103	1.215.103	1.27.104
1.109.102	1.168.102	1.227.102	1.39.103	1.98.103	1.157.103	1.216.103	1.28.104
1.110.102	1.169.102	1.228.102	1.40.103	1.99.103	1.158.103	1.217.103	1.29.104
1.111.102	1.170.102	1.229.102	1.41.103	1.100.103	1.159.103	1.218.103	1.30.104
1.112.102	1.171.102	1.230.102	1.42.103	1.101.103	1.160.103	1.219.103	1.31.104
1.113.102	1.172.102	1.231.102	1.43.103	1.102.103	1.161.103	1.220.103	1.32.104
1.114.102	1.173.102	1.232.102	1.44.103	1.103.103	1.162.103	1.221.103	1.33.104
1.115.102	1.174.102	1.233.102	1.45.103	1.104.103	1.163.103	1.222.103	1.34.104
1.116.102	1.175.102	1.234.102	1.46.103	1.105.103	1.164.103	1.223.103	1.35.104
1.117.102	1.176.102	1.235.102	1.47.103	1.106.103	1.165.103	1.224.103	1.36.104
1.118.102	1.177.102	1.236.102	1.48.103	1.107.103	1.166.103	1.225.103	1.37.104
1.119.102	1.178.102	1.237.102	1.49.103	1.108.103	1.167.103	1.226.103	1.38.104
1.120.102	1.179.102	1.238.102	1.50.103	1.109.103	1.168.103	1.227.103	1.39.104
1.121.102	1.180.102	1.239.102	1.51.103	1.110.103	1.169.103	1.228.103	1.40.104
1.122.102	1.181.102	1.240.102	1.52.103	1.111.103	1.170.103	1.229.103	1.41.104
1.123.102	1.182.102	1.241.102	1.53.103	1.112.103	1.171.103	1.230.103	1.42.104
1.124.102	1.183.102	1.242.102	1.54.103	1.113.103	1.172.103	1.231.103	1.43.104
1.125.102	1.184.102	1.243.102	1.55.103	1.114.103	1.173.103	1.232.103	1.44.104
1.126.102	1.185.102	1.244.102	1.56.103	1.115.103	1.174.103	1.233.103	1.45.104
1.127.102	1.186.102	1.245.102	1.57.103	1.116.103	1.175.103	1.234.103	1.46.104



1.47.104	1.106.104	1.165.104	1.224.104	1.36.105	1.95.105	1.154.105	1.213.105
1.48.104	1.107.104	1.166.104	1.225.104	1.37.105	1.96.105	1.155.105	1.214.105
1.49.104	1.108.104	1.167.104	1.226.104	1.38.105	1.97.105	1.156.105	1.215.105
1.50.104	1.109.104	1.168.104	1.227.104	1.39.105	1.98.105	1.157.105	1.216.105
1.51.104	1.110.104	1.169.104	1.228.104	1.40.105	1.99.105	1.158.105	1.217.105
1.52.104	1.111.104	1.170.104	1.229.104	1.41.105	1.100.105	1.159.105	1.218.105
1.53.104	1.112.104	1.171.104	1.230.104	1.42.105	1.101.105	1.160.105	1.219.105
1.54.104	1.113.104	1.172.104	1.231.104	1.43.105	1.102.105	1.161.105	1.220.105
1.55.104	1.114.104	1.173.104	1.232.104	1.44.105	1.103.105	1.162.105	1.221.105
1.56.104	1.115.104	1.174.104	1.233.104	1.45.105	1.104.105	1.163.105	1.222.105
1.57.104	1.116.104	1.175.104	1.234.104	1.46.105	1.105.105	1.164.105	1.223.105
1.58.104	1.117.104	1.176.104	1.235.104	1.47.105	1.106.105	1.165.105	1.224.105
1.59.104	1.118.104	1.177.104	1.236.104	1.48.105	1.107.105	1.166.105	1.225.105
1.60.104	1.119.104	1.178.104	1.237.104	1.49.105	1.108.105	1.167.105	1.226.105
1.61.104	1.120.104	1.179.104	1.238.104	1.50.105	1.109.105	1.168.105	1.227.105
1.62.104	1.121.104	1.180.104	1.239.104	1.51.105	1.110.105	1.169.105	1.228.105
1.63.104	1.122.104	1.181.104	1.240.104	1.52.105	1.111.105	1.170.105	1.229.105
1.64.104	1.123.104	1.182.104	1.241.104	1.53.105	1.112.105	1.171.105	1.230.105
1.65.104	1.124.104	1.183.104	1.242.104	1.54.105	1.113.105	1.172.105	1.231.105
1.66.104	1.125.104	1.184.104	1.243.104	1.55.105	1.114.105	1.173.105	1.232.105
1.67.104	1.126.104	1.185.104	1.244.104	1.56.105	1.115.105	1.174.105	1.233.105
1.68.104	1.127.104	1.186.104	1.245.104	1.57.105	1.116.105	1.175.105	1.234.105
1.69.104	1.128.104	1.187.104	1.246.104	1.58.105	1.117.105	1.176.105	1.235.105
1.70.104	1.129.104	1.188.104	1.247.104	1.59.105	1.118.105	1.177.105	1.236.105
1.71.104	1.130.104	1.189.104	1.1.105	1.60.105	1.119.105	1.178.105	1.237.105
1.72.104	1.131.104	1.190.104	1.2.105	1.61.105	1.120.105	1.179.105	1.238.105
1.73.104	1.132.104	1.191.104	1.3.105	1.62.105	1.121.105	1.180.105	1.239.105
1.74.104	1.133.104	1.192.104	1.4.105	1.63.105	1.122.105	1.181.105	1.240.105
1.75.104	1.134.104	1.193.104	1.5.105	1.64.105	1.123.105	1.182.105	1.241.105
1.76.104	1.135.104	1.194.104	1.6.105	1.65.105	1.124.105	1.183.105	1.242.105
1.77.104	1.136.104	1.195.104	1.7.105	1.66.105	1.125.105	1.184.105	1.243.105
1.78.104	1.137.104	1.196.104	1.8.105	1.67.105	1.126.105	1.185.105	1.244.105
1.79.104	1.138.104	1.197.104	1.9.105	1.68.105	1.127.105	1.186.105	1.245.105
1.80.104	1.139.104	1.198.104	1.10.105	1.69.105	1.128.105	1.187.105	1.246.105
1.81.104	1.140.104	1.199.104	1.11.105	1.70.105	1.129.105	1.188.105	1.247.105
1.82.104	1.141.104	1.200.104	1.12.105	1.71.105	1.130.105	1.189.105	1.1.106
1.83.104	1.142.104	1.201.104	1.13.105	1.72.105	1.131.105	1.190.105	1.2.106
1.84.104	1.143.104	1.202.104	1.14.105	1.73.105	1.132.105	1.191.105	1.3.106
1.85.104	1.144.104	1.203.104	1.15.105	1.74.105	1.133.105	1.192.105	1.4.106
1.86.104	1.145.104	1.204.104	1.16.105	1.75.105	1.134.105	1.193.105	1.5.106
1.87.104	1.146.104	1.205.104	1.17.105	1.76.105	1.135.105	1.194.105	1.6.106
1.88.104	1.147.104	1.206.104	1.18.105	1.77.105	1.136.105	1.195.105	1.7.106
1.89.104	1.148.104	1.207.104	1.19.105	1.78.105	1.137.105	1.196.105	1.8.106
1.90.104	1.149.104	1.208.104	1.20.105	1.79.105	1.138.105	1.197.105	1.9.106
1.91.104	1.150.104	1.209.104	1.21.105	1.80.105	1.139.105	1.198.105	1.10.106
1.92.104	1.151.104	1.210.104	1.22.105	1.81.105	1.140.105	1.199.105	1.11.106
1.93.104	1.152.104	1.211.104	1.23.105	1.82.105	1.141.105	1.200.105	1.12.106
1.94.104	1.153.104	1.212.104	1.24.105	1.83.105	1.142.105	1.201.105	1.13.106
1.95.104	1.154.104	1.213.104	1.25.105	1.84.105	1.143.105	1.202.105	1.14.106
1.96.104	1.155.104	1.214.104	1.26.105	1.85.105	1.144.105	1.203.105	1.15.106
1.97.104	1.156.104	1.215.104	1.27.105	1.86.105	1.145.105	1.204.105	1.16.106
1.98.104	1.157.104	1.216.104	1.28.105	1.87.105	1.146.105	1.205.105	1.17.106
1.99.104	1.158.104	1.217.104	1.29.105	1.88.105	1.147.105	1.206.105	1.18.106
1.100.104	1.159.104	1.218.104	1.30.105	1.89.105	1.148.105	1.207.105	1.19.106
1.101.104	1.160.104	1.219.104	1.31.105	1.90.105	1.149.105	1.208.105	1.20.106
1.102.104	1.161.104	1.220.104	1.32.105	1.91.105	1.150.105	1.209.105	1.21.106
1.103.104	1.162.104	1.221.104	1.33.105	1.92.105	1.151.105	1.210.105	1.22.106
1.104.104	1.163.104	1.222.104	1.34.105	1.93.105	1.152.105	1.211.105	1.23.106
1.105.104	1.164.104	1.223.104	1.35.105	1.94.105	1.153.105	1.212.105	1.24.106

1.25.106	1.04.106	1.145.106	1.202.106	1.14.107	1.73.107	1.132.107	1.191.107
1.26.106	1.85.106	1.144.106	1.203.106	1.15.107	1.74.107	1.133.107	1.192.107
1.27.106	1.86.106	1.145.106	1.204.106	1.16.107	1.75.107	1.134.107	1.193.107
1.28.106	1.87.106	1.146.106	1.205.106	1.17.107	1.76.107	1.135.107	1.194.107
1.29.106	1.88.106	1.147.106	1.206.106	1.18.107	1.77.107	1.136.107	1.195.107
1.30.106	1.89.106	1.148.106	1.207.106	1.19.107	1.78.107	1.137.107	1.196.107
1.31.106	1.90.106	1.149.106	1.208.106	1.20.107	1.79.107	1.138.107	1.197.107
1.32.106	1.91.106	1.150.106	1.209.106	1.21.107	1.80.107	1.139.107	1.198.107
1.33.106	1.92.106	1.151.106	1.210.106	1.22.107	1.81.107	1.140.107	1.199.107
1.34.106	1.93.106	1.152.106	1.211.106	1.23.107	1.82.107	1.141.107	1.200.107
1.35.106	1.94.106	1.153.106	1.212.106	1.24.107	1.83.107	1.142.107	1.201.107
1.36.106	1.95.106	1.154.106	1.213.106	1.25.107	1.84.107	1.143.107	1.202.107
1.37.106	1.96.106	1.155.106	1.214.106	1.26.107	1.85.107	1.144.107	1.203.107
1.38.106	1.97.106	1.156.106	1.215.106	1.27.107	1.86.107	1.145.107	1.204.107
1.39.106	1.98.106	1.157.106	1.216.106	1.28.107	1.87.107	1.146.107	1.205.107
1.40.106	1.99.106	1.158.106	1.217.106	1.29.107	1.88.107	1.147.107	1.206.107
1.41.106	1.100.106	1.159.106	1.218.106	1.30.107	1.89.107	1.148.107	1.207.107
1.42.106	1.101.106	1.160.106	1.219.106	1.31.107	1.90.107	1.149.107	1.208.107
1.43.106	1.102.106	1.161.106	1.220.106	1.32.107	1.91.107	1.150.107	1.209.107
1.44.106	1.103.106	1.162.106	1.221.106	1.33.107	1.92.107	1.151.107	1.210.107
1.45.106	1.104.106	1.163.106	1.222.106	1.34.107	1.93.107	1.152.107	1.211.107
1.46.106	1.105.106	1.164.106	1.223.106	1.35.107	1.94.107	1.153.107	1.212.107
1.47.106	1.106.106	1.165.106	1.224.106	1.36.107	1.95.107	1.154.107	1.213.107
1.48.106	1.107.106	1.166.106	1.225.106	1.37.107	1.96.107	1.155.107	1.214.107
1.49.106	1.108.106	1.167.106	1.226.106	1.38.107	1.97.107	1.156.107	1.215.107
1.50.106	1.109.106	1.168.106	1.227.106	1.39.107	1.98.107	1.157.107	1.216.107
1.51.106	1.110.106	1.169.106	1.228.106	1.40.107	1.99.107	1.158.107	1.217.107
1.52.106	1.111.106	1.170.106	1.229.106	1.41.107	1.100.107	1.159.107	1.218.107
1.53.106	1.112.106	1.171.106	1.230.106	1.42.107	1.101.107	1.160.107	1.219.107
1.54.106	1.113.106	1.172.106	1.231.106	1.43.107	1.102.107	1.161.107	1.220.107
1.55.106	1.114.106	1.173.106	1.232.106	1.44.107	1.103.107	1.162.107	1.221.107
1.56.106	1.115.106	1.174.106	1.233.106	1.45.107	1.104.107	1.163.107	1.222.107
1.57.106	1.116.106	1.175.106	1.234.106	1.46.107	1.105.107	1.164.107	1.223.107
1.58.106	1.117.106	1.176.106	1.235.106	1.47.107	1.106.107	1.165.107	1.224.107
1.59.106	1.118.106	1.177.106	1.236.106	1.48.107	1.107.107	1.166.107	1.225.107
1.60.106	1.119.106	1.178.106	1.237.106	1.49.107	1.108.107	1.167.107	1.226.107
1.61.106	1.120.106	1.179.106	1.238.106	1.50.107	1.109.107	1.168.107	1.227.107
1.62.106	1.121.106	1.180.106	1.239.106	1.51.107	1.110.107	1.169.107	1.228.107
1.63.106	1.122.106	1.181.106	1.240.106	1.52.107	1.111.107	1.170.107	1.229.107
1.64.106	1.123.106	1.182.106	1.241.106	1.53.107	1.112.107	1.171.107	1.230.107
1.65.106	1.124.106	1.183.106	1.242.106	1.54.107	1.113.107	1.172.107	1.231.107
1.66.106	1.125.106	1.184.106	1.243.106	1.55.107	1.114.107	1.173.107	1.232.107
1.67.106	1.126.106	1.185.106	1.244.106	1.56.107	1.115.107	1.174.107	1.233.107
1.68.106	1.127.106	1.186.106	1.245.106	1.57.107	1.116.107	1.175.107	1.234.107
1.69.106	1.128.106	1.187.106	1.246.106	1.58.107	1.117.107	1.176.107	1.235.107
1.70.106	1.129.106	1.188.106	1.247.106	1.59.107	1.118.107	1.177.107	1.236.107
1.71.106	1.130.106	1.189.106	1.1.107	1.60.107	1.119.107	1.178.107	1.237.107
1.72.106	1.131.106	1.190.106	1.2.107	1.61.107	1.120.107	1.179.107	1.238.107
1.73.106	1.132.106	1.191.106	1.3.107	1.62.107	1.121.107	1.180.107	1.239.107
1.74.106	1.133.106	1.192.106	1.4.107	1.63.107	1.122.107	1.181.107	1.240.107
1.75.106	1.134.106	1.193.106	1.5.107	1.64.107	1.123.107	1.182.107	1.241.107
1.76.106	1.135.106	1.194.106	1.6.107	1.65.107	1.124.107	1.183.107	1.242.107
1.77.106	1.136.106	1.195.106	1.7.107	1.66.107	1.125.107	1.184.107	1.243.107
1.78.106	1.137.106	1.196.106	1.8.107	1.67.107	1.126.107	1.185.107	1.244.107
1.79.106	1.138.106	1.197.106	1.9.107	1.68.107	1.127.107	1.186.107	1.245.107
1.80.106	1.139.106	1.198.106	1.10.107	1.69.107	1.128.107	1.187.107	1.246.107
1.81.106	1.140.106	1.199.106	1.11.107	1.70.107	1.129.107	1.188.107	1.247.107
1.82.106	1.141.106	1.200.106	1.12.107	1.71.107	1.130.107	1.189.107	1.1.108
1.83.106	1.142.106	1.201.106	1.13.107	1.72.107	1.131.107	1.190.107	1.2.108

1.239.108	1.51.109	1.110.109	1.169.109
1.4.108	1.63.108	1.122.108	1.181.108
1.5.108	1.64.108	1.123.108	1.182.108
1.6.108	1.65.108	1.124.108	1.183.108
1.7.108	1.66.108	1.125.108	1.184.108
1.8.108	1.67.108	1.126.108	1.185.108
1.9.108	1.68.108	1.127.108	1.186.108
1.10.108	1.69.108	1.128.108	1.187.108
1.11.108	1.70.108	1.129.108	1.188.108
1.12.108	1.71.108	1.130.108	1.189.108
1.13.108	1.72.108	1.131.108	1.190.108
1.14.108	1.73.108	1.132.108	1.191.108
1.15.108	1.74.108	1.133.108	1.192.108
1.16.108	1.75.108	1.134.108	1.193.108
1.17.108	1.76.108	1.135.108	1.194.108
1.18.108	1.77.108	1.136.108	1.195.108
1.19.108	1.78.108	1.137.108	1.196.108
1.20.108	1.79.108	1.138.108	1.197.108
1.21.108	1.80.108	1.139.108	1.198.108
1.22.108	1.81.108	1.140.108	1.199.108
1.23.108	1.82.108	1.141.108	1.200.108
1.24.108	1.83.108	1.142.108	1.201.108
1.25.108	1.84.108	1.143.108	1.202.108
1.26.108	1.85.108	1.144.108	1.203.108
1.27.108	1.86.108	1.145.108	1.204.108
1.28.108	1.87.108	1.146.108	1.205.108
1.29.108	1.88.108	1.147.108	1.206.108
1.30.108	1.89.108	1.148.108	1.207.108
1.31.108	1.90.108	1.149.108	1.208.108
1.32.108	1.91.108	1.150.108	1.209.108
1.33.108	1.92.108	1.151.108	1.210.108
1.34.108	1.93.108	1.152.108	1.211.108
1.35.108	1.94.108	1.153.108	1.212.108
1.36.108	1.95.108	1.154.108	1.213.108
1.37.108	1.96.108	1.155.108	1.214.108
1.38.108	1.97.108	1.156.108	1.215.108
1.39.108	1.98.108	1.157.108	1.216.108
1.40.108	1.99.108	1.158.108	1.217.108
1.41.108	1.100.108	1.159.108	1.218.108
1.42.108	1.101.108	1.160.108	1.219.108
1.43.108	1.102.108	1.161.108	1.220.108
1.44.108	1.103.108	1.162.108	1.221.108
1.45.108	1.104.108	1.163.108	1.222.108
1.46.108	1.105.108	1.164.108	1.223.108
1.47.108	1.106.108	1.165.108	1.224.108
1.48.108	1.107.108	1.166.108	1.225.108
1.49.108	1.108.108	1.167.108	1.226.108
1.50.108	1.109.108	1.168.108	1.227.108
1.51.108	1.110.108	1.169.108	1.228.108
1.52.108	1.111.108	1.170.108	1.229.108
1.53.108	1.112.108	1.171.108	1.230.108
1.54.108	1.113.108	1.172.108	1.231.108
1.55.108	1.114.108	1.173.108	1.232.108
1.56.108	1.115.108	1.174.108	1.233.108
1.57.108	1.116.108	1.175.108	1.234.108
1.58.108	1.117.108	1.176.108	1.235.108
1.59.108	1.118.108	1.177.108	1.236.108
1.60.108	1.119.108	1.178.108	1.237.108
1.61.108	1.120.108	1.179.108	1.238.108
1.239.108	1.51.109	1.110.109	1.169.109
1.240.108	1.52.109	1.111.109	1.170.109
1.241.108	1.53.109	1.112.109	1.171.109
1.242.108	1.54.109	1.113.109	1.172.109
1.243.108	1.55.109	1.114.109	1.173.109
1.244.108	1.56.109	1.115.109	1.174.109
1.245.108	1.57.109	1.116.109	1.175.109
1.246.108	1.58.109	1.117.109	1.176.109
1.247.108	1.59.109	1.118.109	1.177.109
1.1.109	1.60.109	1.119.109	1.178.109
1.2.109	1.61.109	1.120.109	1.179.109
1.3.109	1.62.109	1.121.109	1.180.109
1.4.109	1.63.109	1.122.109	1.181.109
1.5.109	1.64.109	1.123.109	1.182.109
1.6.109	1.65.109	1.124.109	1.183.109
1.7.109	1.66.109	1.125.109	1.184.109
1.8.109	1.67.109	1.126.109	1.185.109
1.9.109	1.68.109	1.127.109	1.186.109
1.10.109	1.69.109	1.128.109	1.187.109
1.11.109	1.70.109	1.129.109	1.188.109
1.12.109	1.71.109	1.130.109	1.189.109
1.13.109	1.72.109	1.131.109	1.190.109
1.14.109	1.73.109	1.132.109	1.191.109
1.15.109	1.74.109	1.133.109	1.192.109
1.16.109	1.75.109	1.134.109	1.193.109
1.17.109	1.76.109	1.135.109	1.194.109
1.18.109	1.77.109	1.136.109	1.195.109
1.19.109	1.78.109	1.137.109	1.196.109
1.20.109	1.79.109	1.138.109	1.197.109
1.21.109	1.80.109	1.139.109	1.198.109
1.22.109	1.81.109	1.140.109	1.199.109
1.23.109	1.82.109	1.141.109	1.200.109
1.24.109	1.83.109	1.142.109	1.201.109
1.25.109	1.84.109	1.143.109	1.202.109
1.26.109	1.85.109	1.144.109	1.203.109
1.27.109	1.86.109	1.145.109	1.204.109
1.28.109	1.87.109	1.146.109	1.205.109
1.29.109	1.88.109	1.147.109	1.206.109
1.30.109	1.89.109	1.148.109	1.207.109
1.31.109	1.90.109	1.149.109	1.208.109
1.32.109	1.91.109	1.150.109	1.209.109
1.33.109	1.92.109	1.151.109	1.210.109
1.34.109	1.93.109	1.152.109	1.211.109
1.35.109	1.94.109	1.153.109	1.212.109
1.36.109	1.95.109	1.154.109	1.213.109
1.37.109	1.96.109	1.155.109	1.214.109
1.38.109	1.97.109	1.156.109	1.215.109
1.39.109	1.98.109	1.157.109	1.216.109
1.40.109	1.99.109	1.158.109	1.217.109
1.41.109	1.100.109	1.159.109	1.218.109
1.42.109	1.101.109	1.160.109	1.219.109
1.43.109	1.102.109	1.161.109	1.220.109
1.44.109	1.103.109	1.162.109	1.221.109
1.45.109	1.104.109	1.163.109	1.222.109
1.46.109	1.105.109	1.164.109	1.223.109
1.47.109	1.106.109	1.165.109	1.224.109
1.48.109	1.107.109	1.166.109	1.225.109
1.49.109	1.108.109	1.167.109	1.226.109
1.50.109	1.109.109	1.168.109	1.227.109

1.229.109	1.41.110	1.100.110	1.159.110	1.217.110	1.29.111	1.88.111	1.147.111
1.230.109	1.42.110	1.101.110	1.160.110	1.218.110	1.30.111	1.89.111	1.148.111
1.231.109	1.43.110	1.102.110	1.161.110	1.219.110	1.31.111	1.90.111	1.149.111
1.232.109	1.44.110	1.103.110	1.162.110	1.220.110	1.32.111	1.91.111	1.150.111
1.233.109	1.45.110	1.104.110	1.163.110	1.221.110	1.33.111	1.92.111	1.151.111
1.234.109	1.46.110	1.105.110	1.164.110	1.222.110	1.34.111	1.93.111	1.152.111
1.235.109	1.47.110	1.106.110	1.165.110	1.223.110	1.35.111	1.94.111	1.153.111
1.236.109	1.48.110	1.107.110	1.166.110	1.224.110	1.36.111	1.95.111	1.154.111
1.237.109	1.49.110	1.108.110	1.167.110	1.225.110	1.37.111	1.96.111	1.155.111
1.238.109	1.50.110	1.109.110	1.168.110	1.226.110	1.38.111	1.97.111	1.156.111
1.239.109	1.51.110	1.110.110	1.169.110	1.227.110	1.39.111	1.98.111	1.157.111
1.240.109	1.52.110	1.111.110	1.170.110	1.228.110	1.40.111	1.99.111	1.158.111
1.241.109	1.53.110	1.112.110	1.171.110	1.229.110	1.41.111	1.100.111	1.159.111
1.242.109	1.54.110	1.113.110	1.172.110	1.230.110	1.42.111	1.101.111	1.160.111
1.243.109	1.55.110	1.114.110	1.173.110	1.231.110	1.43.111	1.102.111	1.161.111
1.244.109	1.56.110	1.115.110	1.174.110	1.232.110	1.44.111	1.103.111	1.162.111
1.245.109	1.57.110	1.116.110	1.175.110	1.233.110	1.45.111	1.104.111	1.163.111
1.246.109	1.58.110	1.117.110	1.176.110	1.234.110	1.46.111	1.105.111	1.164.111
1.247.109	1.59.110	1.118.110	1.177.110	1.235.110	1.47.111	1.106.111	1.165.111
1.1.110	1.60.110	1.119.110	1.178.110	1.236.110	1.48.111	1.107.111	1.166.111
1.2.110	1.61.110	1.120.110	1.179.110	1.237.110	1.49.111	1.108.111	1.167.111
1.3.110	1.62.110	1.121.110	1.180.110	1.238.110	1.50.111	1.109.111	1.168.111
1.4.110	1.63.110	1.122.110	1.181.110	1.239.110	1.51.111	1.110.111	1.169.111
1.5.110	1.64.110	1.123.110	1.182.110	1.240.110	1.52.111	1.111.111	1.170.111
1.6.110	1.65.110	1.124.110	1.183.110	1.241.110	1.53.111	1.112.111	1.171.111
1.7.110	1.66.110	1.125.110	1.184.110	1.242.110	1.54.111	1.113.111	1.172.111
1.8.110	1.67.110	1.126.110	1.185.110	1.243.110	1.55.111	1.114.111	1.173.111
1.9.110	1.68.110	1.127.110	1.186.110	1.244.110	1.56.111	1.115.111	1.174.111
1.10.110	1.69.110	1.128.110	1.187.110	1.245.110	1.57.111	1.116.111	1.175.111
1.11.110	1.70.110	1.129.110	1.188.110	1.246.110	1.58.111	1.117.111	1.176.111
1.12.110	1.71.110	1.130.110	1.189.110	1.247.110	1.59.111	1.118.111	1.177.111
1.13.110	1.72.110	1.131.110	1.190.110	1.1.111	1.60.111	1.119.111	1.178.111
1.14.110	1.73.110	1.132.110	1.191.110	1.2.111	1.61.111	1.120.111	1.179.111
1.15.110	1.74.110	1.133.110	1.192.110	1.3.111	1.62.111	1.121.111	1.180.111
1.16.110	1.75.110	1.134.110	1.193.110	1.4.111	1.63.111	1.122.111	1.181.111
1.17.110	1.76.110	1.135.110	1.194.110	1.5.111	1.64.111	1.123.111	1.182.111
1.18.110	1.77.110	1.136.110	1.195.110	1.6.111	1.65.111	1.124.111	1.183.111
1.19.110	1.78.110	1.137.110	1.196.110	1.7.111	1.66.111	1.125.111	1.184.111
1.20.110	1.79.110	1.138.110	1.197.110	1.8.111	1.67.111	1.126.111	1.185.111
1.21.110	1.80.110	1.139.110	1.198.110	1.9.111	1.68.111	1.127.111	1.186.111
1.22.110	1.81.110	1.140.110	1.199.110	1.10.111	1.69.111	1.128.111	1.187.111
1.23.110	1.82.110	1.141.110	1.200.110	1.11.111	1.70.111	1.129.111	1.188.111
1.24.110	1.83.110	1.142.110	1.201.110	1.12.111	1.71.111	1.130.111	1.189.111
1.25.110	1.84.110	1.143.110	1.202.110	1.13.111	1.72.111	1.131.111	1.190.111
1.26.110	1.85.110	1.144.110	1.203.110	1.14.111	1.73.111	1.132.111	1.191.111
1.27.110	1.86.110	1.145.110	1.204.110	1.15.111	1.74.111	1.133.111	1.192.111
1.28.110	1.87.110	1.146.110	1.205.110	1.16.111	1.75.111	1.134.111	1.193.111
1.29.110	1.88.110	1.147.110	1.206.110	1.17.111	1.76.111	1.135.111	1.194.111
1.30.110	1.89.110	1.148.110	1.207.110	1.18.111	1.77.111	1.136.111	1.195.111
1.31.110	1.90.110	1.149.110	1.208.110	1.19.111	1.78.111	1.137.111	1.196.111
1.32.110	1.91.110	1.150.110	1.209.110	1.20.111	1.79.111	1.138.111	1.197.111
1.33.110	1.92.110	1.151.110	1.210.110	1.21.111	1.80.111	1.139.111	1.198.111
1.34.110	1.93.110	1.152.110	1.211.110	1.22.111	1.81.111	1.140.111	1.199.111
1.35.110	1.94.110	1.153.110	1.212.110	1.23.111	1.82.111	1.141.111	1.200.111
1.36.110	1.95.110	1.154.110	1.213.110	1.24.111	1.83.111	1.142.111	1.201.111
1.37.110	1.96.110	1.155.110	1.214.110	1.25.111	1.84.111	1.143.111	1.202.111
1.38.110	1.97.110	1.156.110	1.215.110	1.26.111	1.85.111	1.144.111	1.203.111
1.39.110	1.98.110	1.157.110	1.216.110	1.27.111	1.86.111	1.145.111	1.204.111
				1.28.111	1.87.111	1.146.111	1.205.111

				1.195.112	1.7.113	1.66.113	1.125.113
1.207.111	1.19.112	1.78.112	1.137.112	1.196.112	1.8.113	1.67.113	1.126.113
1.208.111	1.20.112	1.79.112	1.138.112	1.197.112	1.9.113	1.68.113	1.127.113
1.209.111	1.21.112	1.80.112	1.139.112	1.198.112	1.10.113	1.69.113	1.128.113
1.210.111	1.22.112	1.81.112	1.140.112	1.199.112	1.11.113	1.70.113	1.129.113
1.211.111	1.23.112	1.82.112	1.141.112	1.200.112	1.12.113	1.71.113	1.130.113
1.212.111	1.24.112	1.83.112	1.142.112	1.201.112	1.13.113	1.72.113	1.131.113
1.213.111	1.25.112	1.84.112	1.143.112	1.202.112	1.14.113	1.73.113	1.132.113
1.214.111	1.26.112	1.85.112	1.144.112	1.203.112	1.15.113	1.74.113	1.133.113
1.215.111	1.27.112	1.86.112	1.145.112	1.204.112	1.16.113	1.75.113	1.134.113
1.216.111	1.28.112	1.87.112	1.146.112	1.205.112	1.17.113	1.76.113	1.135.113
1.217.111	1.29.112	1.88.112	1.147.112	1.206.112	1.18.113	1.77.113	1.136.113
1.218.111	1.30.112	1.89.112	1.148.112	1.207.112	1.19.113	1.78.113	1.137.113
1.219.111	1.31.112	1.90.112	1.149.112	1.208.112	1.20.113	1.79.113	1.138.113
1.220.111	1.32.112	1.91.112	1.150.112	1.209.112	1.21.113	1.80.113	1.139.113
1.221.111	1.33.112	1.92.112	1.151.112	1.210.112	1.22.113	1.81.113	1.140.113
1.222.111	1.34.112	1.93.112	1.152.112	1.211.112	1.23.113	1.82.113	1.141.113
1.223.111	1.35.112	1.94.112	1.153.112	1.212.112	1.24.113	1.83.113	1.142.113
1.224.111	1.36.112	1.95.112	1.154.112	1.213.112	1.25.113	1.84.113	1.143.113
1.225.111	1.37.112	1.96.112	1.155.112	1.214.112	1.26.113	1.85.113	1.144.113
1.226.111	1.38.112	1.97.112	1.156.112	1.215.112	1.27.113	1.86.113	1.145.113
1.227.111	1.39.112	1.98.112	1.157.112	1.216.112	1.28.113	1.87.113	1.146.113
1.228.111	1.40.112	1.99.112	1.158.112	1.217.112	1.29.113	1.88.113	1.147.113
1.229.111	1.41.112	1.100.112	1.159.112	1.218.112	1.30.113	1.89.113	1.148.113
1.230.111	1.42.112	1.101.112	1.160.112	1.219.112	1.31.113	1.90.113	1.149.113
1.231.111	1.43.112	1.102.112	1.161.112	1.220.112	1.32.113	1.91.113	1.150.113
1.232.111	1.44.112	1.103.112	1.162.112	1.221.112	1.33.113	1.92.113	1.151.113
1.233.111	1.45.112	1.104.112	1.163.112	1.222.112	1.34.113	1.93.113	1.152.113
1.234.111	1.46.112	1.105.112	1.164.112	1.223.112	1.35.113	1.94.113	1.153.113
1.235.111	1.47.112	1.106.112	1.165.112	1.224.112	1.36.113	1.95.113	1.154.113
1.236.111	1.48.112	1.107.112	1.166.112	1.225.112	1.37.113	1.96.113	1.155.113
1.237.111	1.49.112	1.108.112	1.167.112	1.226.112	1.38.113	1.97.113	1.156.113
1.238.111	1.50.112	1.109.112	1.168.112	1.227.112	1.39.113	1.98.113	1.157.113
1.239.111	1.51.112	1.110.112	1.169.112	1.228.112	1.40.113	1.99.113	1.158.113
1.240.111	1.52.112	1.111.112	1.170.112	1.229.112	1.41.113	1.100.113	1.159.113
1.241.111	1.53.112	1.112.112	1.171.112	1.230.112	1.42.113	1.101.113	1.160.113
1.242.111	1.54.112	1.113.112	1.172.112	1.231.112	1.43.113	1.102.113	1.161.113
1.243.111	1.55.112	1.114.112	1.173.112	1.232.112	1.44.113	1.103.113	1.162.113
1.244.111	1.56.112	1.115.112	1.174.112	1.233.112	1.45.113	1.104.113	1.163.113
1.245.111	1.57.112	1.116.112	1.175.112	1.234.112	1.46.113	1.105.113	1.164.113
1.246.111	1.58.112	1.117.112	1.176.112	1.235.112	1.47.113	1.106.113	1.165.113
1.247.111	1.59.112	1.118.112	1.177.112	1.236.112	1.48.113	1.107.113	1.166.113
1.1.112	1.60.112	1.119.112	1.178.112	1.237.112	1.49.113	1.108.113	1.167.113
1.2.112	1.61.112	1.120.112	1.179.112	1.238.112	1.50.113	1.109.113	1.168.113
1.3.112	1.62.112	1.121.112	1.180.112	1.239.112	1.51.113	1.110.113	1.169.113
1.4.112	1.63.112	1.122.112	1.181.112	1.240.112	1.52.113	1.111.113	1.170.113
1.5.112	1.64.112	1.123.112	1.182.112	1.241.112	1.53.113	1.112.113	1.171.113
1.6.112	1.65.112	1.124.112	1.183.112	1.242.112	1.54.113	1.113.113	1.172.113
1.7.112	1.66.112	1.125.112	1.184.112	1.243.112	1.55.113	1.114.113	1.173.113
1.8.112	1.67.112	1.126.112	1.185.112	1.244.112	1.56.113	1.115.113	1.174.113
1.9.112	1.68.112	1.127.112	1.186.112	1.245.112	1.57.113	1.116.113	1.175.113
1.10.112	1.69.112	1.128.112	1.187.112	1.246.112	1.58.113	1.117.113	1.176.113
1.11.112	1.70.112	1.129.112	1.188.112	1.247.112	1.59.113	1.118.113	1.177.113
1.12.112	1.71.112	1.130.112	1.189.112	1.1.113	1.60.113	1.119.113	1.178.113
1.13.112	1.72.112	1.131.112	1.190.112	1.2.113	1.61.113	1.120.113	1.179.113
1.14.112	1.73.112	1.132.112	1.191.112	1.3.113	1.62.113	1.121.113	1.180.113
1.15.112	1.74.112	1.133.112	1.192.112	1.4.113	1.63.113	1.122.113	1.181.113
1.16.112	1.75.112	1.134.112	1.193.112	1.5.113	1.64.113	1.123.113	1.182.113
1.17.112	1.76.112	1.135.112	1.194.112	1.6.113	1.65.113	1.124.113	1.183.113

1.184.113	1.243.113	1.55.114	1.117.114	1.173.114	1.232.114	1.44.115	1.103.115
1.185.113	1.244.113	1.56.114	1.115.114	1.174.114	1.233.114	1.45.115	1.104.115
1.186.113	1.245.113	1.57.114	1.116.114	1.175.114	1.234.114	1.46.115	1.105.115
1.187.113	1.246.113	1.58.114	1.117.114	1.176.114	1.235.114	1.47.115	1.106.115
1.188.113	1.247.113	1.59.114	1.118.114	1.177.114	1.236.114	1.48.115	1.107.115
1.189.113	1.1.114	1.60.114	1.119.114	1.178.114	1.237.114	1.49.115	1.108.115
1.190.113	1.2.114	1.61.114	1.120.114	1.179.114	1.238.114	1.50.115	1.109.115
1.191.113	1.3.114	1.62.114	1.121.114	1.180.114	1.239.114	1.51.115	1.110.115
1.192.113	1.4.114	1.63.114	1.122.114	1.181.114	1.240.114	1.52.115	1.111.115
1.193.113	1.5.114	1.64.114	1.123.114	1.182.114	1.241.114	1.53.115	1.112.115
1.194.113	1.6.114	1.65.114	1.124.114	1.183.114	1.242.114	1.54.115	1.113.115
1.195.113	1.7.114	1.66.114	1.125.114	1.184.114	1.243.114	1.55.115	1.114.115
1.196.113	1.8.114	1.67.114	1.126.114	1.185.114	1.244.114	1.56.115	1.115.115
1.197.113	1.9.114	1.68.114	1.127.114	1.186.114	1.245.114	1.57.115	1.116.115
1.198.113	1.10.114	1.69.114	1.128.114	1.187.114	1.246.114	1.58.115	1.117.115
1.199.113	1.11.114	1.70.114	1.129.114	1.188.114	1.247.114	1.59.115	1.118.115
1.200.113	1.12.114	1.71.114	1.130.114	1.189.114	1.1.115	1.60.115	1.119.115
1.201.113	1.13.114	1.72.114	1.131.114	1.190.114	1.2.115	1.61.115	1.120.115
1.202.113	1.14.114	1.73.114	1.132.114	1.191.114	1.3.115	1.62.115	1.121.115
1.203.113	1.15.114	1.74.114	1.133.114	1.192.114	1.4.115	1.63.115	1.122.115
1.204.113	1.16.114	1.75.114	1.134.114	1.193.114	1.5.115	1.64.115	1.123.115
1.205.113	1.17.114	1.76.114	1.135.114	1.194.114	1.6.115	1.65.115	1.124.115
1.206.113	1.18.114	1.77.114	1.136.114	1.195.114	1.7.115	1.66.115	1.125.115
1.207.113	1.19.114	1.78.114	1.137.114	1.196.114	1.8.115	1.67.115	1.126.115
1.208.113	1.20.114	1.79.114	1.138.114	1.197.114	1.9.115	1.68.115	1.127.115
1.209.113	1.21.114	1.80.114	1.139.114	1.198.114	1.10.115	1.69.115	1.128.115
1.210.113	1.22.114	1.81.114	1.140.114	1.199.114	1.11.115	1.70.115	1.129.115
1.211.113	1.23.114	1.82.114	1.141.114	1.200.114	1.12.115	1.71.115	1.130.115
1.212.113	1.24.114	1.83.114	1.142.114	1.201.114	1.13.115	1.72.115	1.131.115
1.213.113	1.25.114	1.84.114	1.143.114	1.202.114	1.14.115	1.73.115	1.132.115
1.214.113	1.26.114	1.85.114	1.144.114	1.203.114	1.15.115	1.74.115	1.133.115
1.215.113	1.27.114	1.86.114	1.145.114	1.204.114	1.16.115	1.75.115	1.134.115
1.216.113	1.28.114	1.87.114	1.146.114	1.205.114	1.17.115	1.76.115	1.135.115
1.217.113	1.29.114	1.88.114	1.147.114	1.206.114	1.18.115	1.77.115	1.136.115
1.218.113	1.30.114	1.89.114	1.148.114	1.207.114	1.19.115	1.78.115	1.137.115
1.219.113	1.31.114	1.90.114	1.149.114	1.208.114	1.20.115	1.79.115	1.138.115
1.220.113	1.32.114	1.91.114	1.150.114	1.209.114	1.21.115	1.80.115	1.139.115
1.221.113	1.33.114	1.92.114	1.151.114	1.210.114	1.22.115	1.81.115	1.140.115
1.222.113	1.34.114	1.93.114	1.152.114	1.211.114	1.23.115	1.82.115	1.141.115
1.223.113	1.35.114	1.94.114	1.153.114	1.212.114	1.24.115	1.83.115	1.142.115
1.224.113	1.36.114	1.95.114	1.154.114	1.213.114	1.25.115	1.84.115	1.143.115
1.225.113	1.37.114	1.96.114	1.155.114	1.214.114	1.26.115	1.85.115	1.144.115
1.226.113	1.38.114	1.97.114	1.156.114	1.215.114	1.27.115	1.86.115	1.145.115
1.227.113	1.39.114	1.98.114	1.157.114	1.216.114	1.28.115	1.87.115	1.146.115
1.228.113	1.40.114	1.99.114	1.158.114	1.217.114	1.29.115	1.88.115	1.147.115
1.229.113	1.41.114	1.100.114	1.159.114	1.218.114	1.30.115	1.89.115	1.148.115
1.230.113	1.42.114	1.101.114	1.160.114	1.219.114	1.31.115	1.90.115	1.149.115
1.231.113	1.43.114	1.102.114	1.161.114	1.220.114	1.32.115	1.91.115	1.150.115
1.232.113	1.44.114	1.103.114	1.162.114	1.221.114	1.33.115	1.92.115	1.151.115
1.233.113	1.45.114	1.104.114	1.163.114	1.222.114	1.34.115	1.93.115	1.152.115
1.234.113	1.46.114	1.105.114	1.164.114	1.223.114	1.35.115	1.94.115	1.153.115
1.235.113	1.47.114	1.106.114	1.165.114	1.224.114	1.36.115	1.95.115	1.154.115
1.236.113	1.48.114	1.107.114	1.166.114	1.225.114	1.37.115	1.96.115	1.155.115
1.237.113	1.49.114	1.108.114	1.167.114	1.226.114	1.38.115	1.97.115	1.156.115
1.238.113	1.50.114	1.109.114	1.168.114	1.227.114	1.39.115	1.98.115	1.157.115
1.239.113	1.51.114	1.110.114	1.169.114	1.228.114	1.40.115	1.99.115	1.158.115
1.240.113	1.52.114	1.111.114	1.170.114	1.229.114	1.41.115	1.100.115	1.159.115
1.241.113	1.53.114	1.112.114	1.171.114	1.230.114	1.42.115	1.101.115	1.160.115
1.242.113	1.54.114	1.113.114	1.172.114	1.231.114	1.43.115	1.102.115	1.161.115

1.163.115	1.222.115	1.34.116	1.93.116	1.151.116	1.210.116	1.22.117	1.81.117
1.164.115	1.223.115	1.35.116	1.94.116	1.152.116	1.211.116	1.23.117	1.82.117
1.165.115	1.224.115	1.36.116	1.95.116	1.153.116	1.212.116	1.24.117	1.83.117
1.166.115	1.225.115	1.37.116	1.96.116	1.154.116	1.213.116	1.25.117	1.84.117
1.167.115	1.226.115	1.38.116	1.97.116	1.155.116	1.214.116	1.26.117	1.85.117
1.168.115	1.227.115	1.39.116	1.98.116	1.156.116	1.215.116	1.27.117	1.86.117
1.169.115	1.228.115	1.40.116	1.99.116	1.157.116	1.216.116	1.28.117	1.87.117
1.170.115	1.229.115	1.41.116	1.100.116	1.158.116	1.217.116	1.29.117	1.88.117
1.171.115	1.230.115	1.42.116	1.101.116	1.159.116	1.218.116	1.30.117	1.89.117
1.172.115	1.231.115	1.43.116	1.102.116	1.160.116	1.219.116	1.31.117	1.90.117
1.173.115	1.232.115	1.44.116	1.103.116	1.161.116	1.220.116	1.32.117	1.91.117
1.174.115	1.233.115	1.45.116	1.104.116	1.162.116	1.221.116	1.33.117	1.92.117
1.175.115	1.234.115	1.46.116	1.105.116	1.163.116	1.222.116	1.34.117	1.93.117
1.176.115	1.235.115	1.47.116	1.106.116	1.164.116	1.223.116	1.35.117	1.94.117
1.177.115	1.236.115	1.48.116	1.107.116	1.165.116	1.224.116	1.36.117	1.95.117
1.178.115	1.237.115	1.49.116	1.108.116	1.166.116	1.225.116	1.37.117	1.96.117
1.179.115	1.238.115	1.50.116	1.109.116	1.167.116	1.226.116	1.38.117	1.97.117
1.180.115	1.239.115	1.51.116	1.110.116	1.168.116	1.227.116	1.39.117	1.98.117
1.181.115	1.240.115	1.52.116	1.111.116	1.169.116	1.228.116	1.40.117	1.99.117
1.182.115	1.241.115	1.53.116	1.112.116	1.170.116	1.229.116	1.41.117	1.100.117
1.183.115	1.242.115	1.54.116	1.113.116	1.171.116	1.230.116	1.42.117	1.101.117
1.184.115	1.243.115	1.55.116	1.114.116	1.172.116	1.231.116	1.43.117	1.102.117
1.185.115	1.244.115	1.56.116	1.115.116	1.173.116	1.232.116	1.44.117	1.103.117
1.186.115	1.245.115	1.57.116	1.116.116	1.174.116	1.233.116	1.45.117	1.104.117
1.187.115	1.246.115	1.58.116	1.117.116	1.175.116	1.234.116	1.46.117	1.105.117
1.188.115	1.247.115	1.59.116	1.118.116	1.176.116	1.235.116	1.47.117	1.106.117
1.189.115	1.1.116	1.60.116	1.119.116	1.177.116	1.236.116	1.48.117	1.107.117
1.190.115	1.2.116	1.61.116	1.120.116	1.178.116	1.237.116	1.49.117	1.108.117
1.191.115	1.3.116	1.62.116	1.121.116	1.179.116	1.238.116	1.50.117	1.109.117
1.192.115	1.4.116	1.63.116	1.122.116	1.180.116	1.239.116	1.51.117	1.110.117
1.193.115	1.5.116	1.64.116	1.123.116	1.181.116	1.240.116	1.52.117	1.111.117
1.194.115	1.6.116	1.65.116	1.124.116	1.182.116	1.241.116	1.53.117	1.112.117
1.195.115	1.7.116	1.66.116	1.125.116	1.183.116	1.242.116	1.54.117	1.113.117
1.196.115	1.8.116	1.67.116	1.126.116	1.184.116	1.243.116	1.55.117	1.114.117
1.197.115	1.9.116	1.68.116	1.127.116	1.185.116	1.244.116	1.56.117	1.115.117
1.198.115	1.10.116	1.69.116	1.128.116	1.186.116	1.245.116	1.57.117	1.116.117
1.199.115	1.11.116	1.70.116	1.129.116	1.187.116	1.246.116	1.58.117	1.117.117
1.200.115	1.12.116	1.71.116	1.130.116	1.188.116	1.247.116	1.59.117	1.118.117
1.201.115	1.13.116	1.72.116	1.131.116	1.189.116	1.1.117	1.60.117	1.119.117
1.202.115	1.14.116	1.73.116	1.132.116	1.190.116	1.2.117	1.61.117	1.120.117
1.203.115	1.15.116	1.74.116	1.133.116	1.191.116	1.3.117	1.62.117	1.121.117
1.204.115	1.16.116	1.75.116	1.134.116	1.192.116	1.4.117	1.63.117	1.122.117
1.205.115	1.17.116	1.76.116	1.135.116	1.193.116	1.5.117	1.64.117	1.123.117
1.206.115	1.18.116	1.77.116	1.136.116	1.194.116	1.6.117	1.65.117	1.124.117
1.207.115	1.19.116	1.78.116	1.137.116	1.195.116	1.7.117	1.66.117	1.125.117
1.208.115	1.20.116	1.79.116	1.138.116	1.196.116	1.8.117	1.67.117	1.126.117
1.209.115	1.21.116	1.80.116	1.139.116	1.197.116	1.9.117	1.68.117	1.127.117
1.210.115	1.22.116	1.81.116	1.140.116	1.198.116	1.10.117	1.69.117	1.128.117
1.211.115	1.23.116	1.82.116	1.141.116	1.199.116	1.11.117	1.70.117	1.129.117
1.212.115	1.24.116	1.83.116	1.142.116	1.200.116	1.12.117	1.71.117	1.130.117
1.213.115	1.25.116	1.84.116	1.143.116	1.201.116	1.13.117	1.72.117	1.131.117
1.214.115	1.26.116	1.85.116	1.144.116	1.202.116	1.14.117	1.73.117	1.132.117
1.215.115	1.27.116	1.86.116	1.145.116	1.203.116	1.15.117	1.74.117	1.133.117
1.216.115	1.28.116	1.87.116	1.146.116	1.204.116	1.16.117	1.75.117	1.134.117
1.217.115	1.29.116	1.88.116	1.147.116	1.205.116	1.17.117	1.76.117	1.135.117
1.218.115	1.30.116	1.89.116	1.148.116	1.206.116	1.18.117	1.77.117	1.136.117
1.219.115	1.31.116	1.90.116	1.149.116	1.207.116	1.19.117	1.78.117	1.137.117
1.220.115	1.32.116	1.91.116	1.150.116	1.208.116	1.20.117	1.79.117	1.138.117
				1.209.116	1.21.117	1.80.117	1.139.117

				1.129.118	1.188.118	1.247.118	1.59.119
1.141.117	1.200.117	1.12.118	1.71.118	1.130.118	1.189.118	1.1.119	1.60.119
1.142.117	1.201.117	1.13.118	1.72.118	1.131.118	1.190.118	1.2.119	1.61.119
1.143.117	1.202.117	1.14.118	1.73.118	1.132.118	1.191.118	1.3.119	1.62.119
1.144.117	1.203.117	1.15.118	1.74.118	1.133.118	1.192.118	1.4.119	1.63.119
1.145.117	1.204.117	1.16.118	1.75.118	1.134.118	1.193.118	1.5.119	1.64.119
1.146.117	1.205.117	1.17.118	1.76.118	1.135.118	1.194.118	1.6.119	1.65.119
1.147.117	1.206.117	1.18.118	1.77.118	1.136.118	1.195.118	1.7.119	1.66.119
1.148.117	1.207.117	1.19.118	1.78.118	1.137.118	1.196.118	1.8.119	1.67.119
1.149.117	1.208.117	1.20.118	1.79.118	1.138.118	1.197.118	1.9.119	1.68.119
1.150.117	1.209.117	1.21.118	1.80.118	1.139.118	1.198.118	1.10.119	1.69.119
1.151.117	1.210.117	1.22.118	1.81.118	1.140.118	1.199.118	1.11.119	1.70.119
1.152.117	1.211.117	1.23.118	1.82.118	1.141.118	1.200.118	1.12.119	1.71.119
1.153.117	1.212.117	1.24.118	1.83.118	1.142.118	1.201.118	1.13.119	1.72.119
1.154.117	1.213.117	1.25.118	1.84.118	1.143.118	1.202.118	1.14.119	1.73.119
1.155.117	1.214.117	1.26.118	1.85.118	1.144.118	1.203.118	1.15.119	1.74.119
1.156.117	1.215.117	1.27.118	1.86.118	1.145.118	1.204.118	1.16.119	1.75.119
1.157.117	1.216.117	1.28.118	1.87.118	1.146.118	1.205.118	1.17.119	1.76.119
1.158.117	1.217.117	1.29.118	1.88.118	1.147.118	1.206.118	1.18.119	1.77.119
1.159.117	1.218.117	1.30.118	1.89.118	1.148.118	1.207.118	1.19.119	1.78.119
1.160.117	1.219.117	1.31.118	1.90.118	1.149.118	1.208.118	1.20.119	1.79.119
1.161.117	1.220.117	1.32.118	1.91.118	1.150.118	1.209.118	1.21.119	1.80.119
1.162.117	1.221.117	1.33.118	1.92.118	1.151.118	1.210.118	1.22.119	1.81.119
1.163.117	1.222.117	1.34.118	1.93.118	1.152.118	1.211.118	1.23.119	1.82.119
1.164.117	1.223.117	1.35.118	1.94.118	1.153.118	1.212.118	1.24.119	1.83.119
1.165.117	1.224.117	1.36.118	1.95.118	1.154.118	1.213.118	1.25.119	1.84.119
1.166.117	1.225.117	1.37.118	1.96.118	1.155.118	1.214.118	1.26.119	1.85.119
1.167.117	1.226.117	1.38.118	1.97.118	1.156.118	1.215.118	1.27.119	1.86.119
1.168.117	1.227.117	1.39.118	1.98.118	1.157.118	1.216.118	1.28.119	1.87.119
1.169.117	1.228.117	1.40.118	1.99.118	1.158.118	1.217.118	1.29.119	1.88.119
1.170.117	1.229.117	1.41.118	1.100.118	1.159.118	1.218.118	1.30.119	1.89.119
1.171.117	1.230.117	1.42.118	1.101.118	1.160.118	1.219.118	1.31.119	1.90.119
1.172.117	1.231.117	1.43.118	1.102.118	1.161.118	1.220.118	1.32.119	1.91.119
1.173.117	1.232.117	1.44.118	1.103.118	1.162.118	1.221.118	1.33.119	1.92.119
1.174.117	1.233.117	1.45.118	1.104.118	1.163.118	1.222.118	1.34.119	1.93.119
1.175.117	1.234.117	1.46.118	1.105.118	1.164.118	1.223.118	1.35.119	1.94.119
1.176.117	1.235.117	1.47.118	1.106.118	1.165.118	1.224.118	1.36.119	1.95.119
1.177.117	1.236.117	1.48.118	1.107.118	1.166.118	1.225.118	1.37.119	1.96.119
1.178.117	1.237.117	1.49.118	1.108.118	1.167.118	1.226.118	1.38.119	1.97.119
1.179.117	1.238.117	1.50.118	1.109.118	1.168.118	1.227.118	1.39.119	1.98.119
1.180.117	1.239.117	1.51.118	1.110.118	1.169.118	1.228.118	1.40.119	1.99.119
1.181.117	1.240.117	1.52.118	1.111.118	1.170.118	1.229.118	1.41.119	1.100.119
1.182.117	1.241.117	1.53.118	1.112.118	1.171.118	1.230.118	1.42.119	1.101.119
1.183.117	1.242.117	1.54.118	1.113.118	1.172.118	1.231.118	1.43.119	1.102.119
1.184.117	1.243.117	1.55.118	1.114.118	1.173.118	1.232.118	1.44.119	1.103.119
1.185.117	1.244.117	1.56.118	1.115.118	1.174.118	1.233.118	1.45.119	1.104.119
1.186.117	1.245.117	1.57.118	1.116.118	1.175.118	1.234.118	1.46.119	1.105.119
1.187.117	1.246.117	1.58.118	1.117.118	1.176.118	1.235.118	1.47.119	1.106.119
1.188.117	1.247.117	1.59.118	1.118.118	1.177.118	1.236.118	1.48.119	1.107.119
1.189.117	1.1.118	1.60.118	1.119.118	1.178.118	1.237.118	1.49.119	1.108.119
1.190.117	1.2.118	1.61.118	1.120.118	1.179.118	1.238.118	1.50.119	1.109.119
1.191.117	1.3.118	1.62.118	1.121.118	1.180.118	1.239.118	1.51.119	1.110.119
1.192.117	1.4.118	1.63.118	1.122.118	1.181.118	1.240.118	1.52.119	1.111.119
1.193.117	1.5.118	1.64.118	1.123.118	1.182.118	1.241.118	1.53.119	1.112.119
1.194.117	1.6.118	1.65.118	1.124.118	1.183.118	1.242.118	1.54.119	1.113.119
1.195.117	1.7.118	1.66.118	1.125.118	1.184.118	1.243.118	1.55.119	1.114.119
1.196.117	1.8.118	1.67.118	1.126.118	1.185.118	1.244.118	1.56.119	1.115.119
1.197.117	1.9.118	1.68.118	1.127.118	1.186.118	1.245.118	1.57.119	1.116.119
1.198.117	1.10.118	1.69.118	1.128.118	1.187.118	1.246.118	1.58.119	1.117.119



				1.107.120	1.166.120	1.225.120	1.37.121
1.119.119	1.178.119	1.237.119	1.49.120	1.108.120	1.167.120	1.226.120	1.38.121
1.120.119	1.179.119	1.238.119	1.50.120	1.109.120	1.168.120	1.227.120	1.39.121
1.121.119	1.180.119	1.239.119	1.51.120	1.110.120	1.169.120	1.228.120	1.40.121
1.122.119	1.181.119	1.240.119	1.52.120	1.111.120	1.170.120	1.229.120	1.41.121
1.123.119	1.182.119	1.241.119	1.53.120	1.112.120	1.171.120	1.230.120	1.42.121
1.124.119	1.183.119	1.242.119	1.54.120	1.113.120	1.172.120	1.231.120	1.43.121
1.125.119	1.184.119	1.243.119	1.55.120	1.114.120	1.173.120	1.232.120	1.44.121
1.126.119	1.185.119	1.244.119	1.56.120	1.115.120	1.174.120	1.233.120	1.45.121
1.127.119	1.186.119	1.245.119	1.57.120	1.116.120	1.175.120	1.234.120	1.46.121
1.128.119	1.187.119	1.246.119	1.58.120	1.117.120	1.176.120	1.235.120	1.47.121
1.129.119	1.188.119	1.247.119	1.59.120	1.118.120	1.177.120	1.236.120	1.48.121
1.130.119	1.189.119	1.1.120	1.60.120	1.119.120	1.178.120	1.237.120	1.49.121
1.131.119	1.190.119	1.2.120	1.61.120	1.120.120	1.179.120	1.238.120	1.50.121
1.132.119	1.191.119	1.3.120	1.62.120	1.121.120	1.180.120	1.239.120	1.51.121
1.133.119	1.192.119	1.4.120	1.63.120	1.122.120	1.181.120	1.240.120	1.52.121
1.134.119	1.193.119	1.5.120	1.64.120	1.123.120	1.182.120	1.241.120	1.53.121
1.135.119	1.194.119	1.6.120	1.65.120	1.124.120	1.183.120	1.242.120	1.54.121
1.136.119	1.195.119	1.7.120	1.66.120	1.125.120	1.184.120	1.243.120	1.55.121
1.137.119	1.196.119	1.8.120	1.67.120	1.126.120	1.185.120	1.244.120	1.56.121
1.138.119	1.197.119	1.9.120	1.68.120	1.127.120	1.186.120	1.245.120	1.57.121
1.139.119	1.198.119	1.10.120	1.69.120	1.128.120	1.187.120	1.246.120	1.58.121
1.140.119	1.199.119	1.11.120	1.70.120	1.129.120	1.188.120	1.247.120	1.59.121
1.141.119	1.200.119	1.12.120	1.71.120	1.130.120	1.189.120	1.1.121	1.60.121
1.142.119	1.201.119	1.13.120	1.72.120	1.131.120	1.190.120	1.2.121	1.61.121
1.143.119	1.202.119	1.14.120	1.73.120	1.132.120	1.191.120	1.3.121	1.62.121
1.144.119	1.203.119	1.15.120	1.74.120	1.133.120	1.192.120	1.4.121	1.63.121
1.145.119	1.204.119	1.16.120	1.75.120	1.134.120	1.193.120	1.5.121	1.64.121
1.146.119	1.205.119	1.17.120	1.76.120	1.135.120	1.194.120	1.6.121	1.65.121
1.147.119	1.206.119	1.18.120	1.77.120	1.136.120	1.195.120	1.7.121	1.66.121
1.148.119	1.207.119	1.19.120	1.78.120	1.137.120	1.196.120	1.8.121	1.67.121
1.149.119	1.208.119	1.20.120	1.79.120	1.138.120	1.197.120	1.9.121	1.68.121
1.150.119	1.209.119	1.21.120	1.80.120	1.139.120	1.198.120	1.10.121	1.69.121
1.151.119	1.210.119	1.22.120	1.81.120	1.140.120	1.199.120	1.11.121	1.70.121
1.152.119	1.211.119	1.23.120	1.82.120	1.141.120	1.200.120	1.12.121	1.71.121
1.153.119	1.212.119	1.24.120	1.83.120	1.142.120	1.201.120	1.13.121	1.72.121
1.154.119	1.213.119	1.25.120	1.84.120	1.143.120	1.202.120	1.14.121	1.73.121
1.155.119	1.214.119	1.26.120	1.85.120	1.144.120	1.203.120	1.15.121	1.74.121
1.156.119	1.215.119	1.27.120	1.86.120	1.145.120	1.204.120	1.16.121	1.75.121
1.157.119	1.216.119	1.28.120	1.87.120	1.146.120	1.205.120	1.17.121	1.76.121
1.158.119	1.217.119	1.29.120	1.88.120	1.147.120	1.206.120	1.18.121	1.77.121
1.159.119	1.218.119	1.30.120	1.89.120	1.148.120	1.207.120	1.19.121	1.78.121
1.160.119	1.219.119	1.31.120	1.90.120	1.149.120	1.208.120	1.20.121	1.79.121
1.161.119	1.220.119	1.32.120	1.91.120	1.150.120	1.209.120	1.21.121	1.80.121
1.162.119	1.221.119	1.33.120	1.92.120	1.151.120	1.210.120	1.22.121	1.81.121
1.163.119	1.222.119	1.34.120	1.93.120	1.152.120	1.211.120	1.23.121	1.82.121
1.164.119	1.223.119	1.35.120	1.94.120	1.153.120	1.212.120	1.24.121	1.83.121
1.165.119	1.224.119	1.36.120	1.95.120	1.154.120	1.213.120	1.25.121	1.84.121
1.166.119	1.225.119	1.37.120	1.96.120	1.155.120	1.214.120	1.26.121	1.85.121
1.167.119	1.226.119	1.38.120	1.97.120	1.156.120	1.215.120	1.27.121	1.86.121
1.168.119	1.227.119	1.39.120	1.98.120	1.157.120	1.216.120	1.28.121	1.87.121
1.169.119	1.228.119	1.40.120	1.99.120	1.158.120	1.217.120	1.29.121	1.88.121
1.170.119	1.229.119	1.41.120	1.100.120	1.159.120	1.218.120	1.30.121	1.89.121
1.171.119	1.230.119	1.42.120	1.101.120	1.160.120	1.219.120	1.31.121	1.90.121
1.172.119	1.231.119	1.43.120	1.102.120	1.161.120	1.220.120	1.32.121	1.91.121
1.173.119	1.232.119	1.44.120	1.103.120	1.162.120	1.221.120	1.33.121	1.92.121
1.174.119	1.233.119	1.45.120	1.104.120	1.163.120	1.222.120	1.34.121	1.93.121
1.175.119	1.234.119	1.46.120	1.105.120	1.164.120	1.223.120	1.35.121	1.94.121
1.176.119	1.235.119	1.47.120	1.106.120	1.165.120	1.224.120	1.36.121	1.95.121

1.97.121	1.156.121	1.215.121	1.27.122	1.85.122	1.144.122	1.203.122	1.15.123
1.98.121	1.157.121	1.216.121	1.28.122	1.86.122	1.145.122	1.204.122	1.16.123
1.99.121	1.158.121	1.217.121	1.29.122	1.87.122	1.146.122	1.205.122	1.17.123
1.100.121	1.159.121	1.218.121	1.30.122	1.88.122	1.147.122	1.206.122	1.18.123
1.101.121	1.160.121	1.219.121	1.31.122	1.89.122	1.148.122	1.207.122	1.19.123
1.102.121	1.161.121	1.220.121	1.32.122	1.90.122	1.149.122	1.208.122	1.20.123
1.103.121	1.162.121	1.221.121	1.33.122	1.91.122	1.150.122	1.209.122	1.21.123
1.104.121	1.163.121	1.222.121	1.34.122	1.92.122	1.151.122	1.210.122	1.22.123
1.105.121	1.164.121	1.223.121	1.35.122	1.93.122	1.152.122	1.211.122	1.23.123
1.106.121	1.165.121	1.224.121	1.36.122	1.94.122	1.153.122	1.212.122	1.24.123
1.107.121	1.166.121	1.225.121	1.37.122	1.95.122	1.154.122	1.213.122	1.25.123
1.108.121	1.167.121	1.226.121	1.38.122	1.96.122	1.155.122	1.214.122	1.26.123
1.109.121	1.168.121	1.227.121	1.39.122	1.97.122	1.156.122	1.215.122	1.27.123
1.110.121	1.169.121	1.228.121	1.40.122	1.98.122	1.157.122	1.216.122	1.28.123
1.111.121	1.170.121	1.229.121	1.41.122	1.99.122	1.158.122	1.217.122	1.29.123
1.112.121	1.171.121	1.230.121	1.42.122	1.100.122	1.159.122	1.218.122	1.30.123
1.113.121	1.172.121	1.231.121	1.43.122	1.101.122	1.160.122	1.219.122	1.31.123
1.114.121	1.173.121	1.232.121	1.44.122	1.102.122	1.161.122	1.220.122	1.32.123
1.115.121	1.174.121	1.233.121	1.45.122	1.103.122	1.162.122	1.221.122	1.33.123
1.116.121	1.175.121	1.234.121	1.46.122	1.104.122	1.163.122	1.222.122	1.34.123
1.117.121	1.176.121	1.235.121	1.47.122	1.105.122	1.164.122	1.223.122	1.35.123
1.118.121	1.177.121	1.236.121	1.48.122	1.106.122	1.165.122	1.224.122	1.36.123
1.119.121	1.178.121	1.237.121	1.49.122	1.107.122	1.166.122	1.225.122	1.37.123
1.120.121	1.179.121	1.238.121	1.50.122	1.108.122	1.167.122	1.226.122	1.38.123
1.121.121	1.180.121	1.239.121	1.51.122	1.109.122	1.168.122	1.227.122	1.39.123
1.122.121	1.181.121	1.240.121	1.52.122	1.110.122	1.169.122	1.228.122	1.40.123
1.123.121	1.182.121	1.241.121	1.53.122	1.111.122	1.170.122	1.229.122	1.41.123
1.124.121	1.183.121	1.242.121	1.54.122	1.112.122	1.171.122	1.230.122	1.42.123
1.125.121	1.184.121	1.243.121	1.55.122	1.113.122	1.172.122	1.231.122	1.43.123
1.126.121	1.185.121	1.244.121	1.56.122	1.114.122	1.173.122	1.232.122	1.44.123
1.127.121	1.186.121	1.245.121	1.57.122	1.115.122	1.174.122	1.233.122	1.45.123
1.128.121	1.187.121	1.246.121	1.58.122	1.116.122	1.175.122	1.234.122	1.46.123
1.129.121	1.188.121	1.247.121	1.59.122	1.117.122	1.176.122	1.235.122	1.47.123
1.130.121	1.189.121	1.1.122	1.60.122	1.118.122	1.177.122	1.236.122	1.48.123
1.131.121	1.190.121	1.2.122	1.61.122	1.119.122	1.178.122	1.237.122	1.49.123
1.132.121	1.191.121	1.3.122	1.62.122	1.120.122	1.179.122	1.238.122	1.50.123
1.133.121	1.192.121	1.4.122	1.63.122	1.121.122	1.180.122	1.239.122	1.51.123
1.134.121	1.193.121	1.5.122	1.64.122	1.122.122	1.181.122	1.240.122	1.52.123
1.135.121	1.194.121	1.6.122	1.65.122	1.123.122	1.182.122	1.241.122	1.53.123
1.136.121	1.195.121	1.7.122	1.66.122	1.124.122	1.183.122	1.242.122	1.54.123
1.137.121	1.196.121	1.8.122	1.67.122	1.125.122	1.184.122	1.243.122	1.55.123
1.138.121	1.197.121	1.9.122	1.68.122	1.126.122	1.185.122	1.244.122	1.56.123
1.139.121	1.198.121	1.10.122	1.69.122	1.127.122	1.186.122	1.245.122	1.57.123
1.140.121	1.199.121	1.11.122	1.70.122	1.128.122	1.187.122	1.246.122	1.58.123
1.141.121	1.200.121	1.12.122	1.71.122	1.129.122	1.188.122	1.247.122	1.59.123
1.142.121	1.201.121	1.13.122	1.72.122	1.130.122	1.189.122	1.1.123	1.60.123
1.143.121	1.202.121	1.14.122	1.73.122	1.131.122	1.190.122	1.2.123	1.61.123
1.144.121	1.203.121	1.15.122	1.74.122	1.132.122	1.191.122	1.3.123	1.62.123
1.145.121	1.204.121	1.16.122	1.75.122	1.133.122	1.192.122	1.4.123	1.63.123
1.146.121	1.205.121	1.17.122	1.76.122	1.134.122	1.193.122	1.5.123	1.64.123
1.147.121	1.206.121	1.18.122	1.77.122	1.135.122	1.194.122	1.6.123	1.65.123
1.148.121	1.207.121	1.19.122	1.78.122	1.136.122	1.195.122	1.7.123	1.66.123
1.149.121	1.208.121	1.20.122	1.79.122	1.137.122	1.196.122	1.8.123	1.67.123
1.150.121	1.209.121	1.21.122	1.80.122	1.138.122	1.197.122	1.9.123	1.68.123
1.151.121	1.210.121	1.22.122	1.81.122	1.139.122	1.198.122	1.10.123	1.69.123
1.152.121	1.211.121	1.23.122	1.82.122	1.140.122	1.199.122	1.11.123	1.70.123
1.153.121	1.212.121	1.24.122	1.83.122	1.141.122	1.200.122	1.12.123	1.71.123
1.154.121	1.213.121	1.25.122	1.84.122	1.142.122	1.201.122	1.13.123	1.72.123
				1.143.122	1.202.122	1.14.123	1.73.123

1.75.123	1.134.123	1.193.123	1.5.124	1.63.124	1.122.124	1.181.124	1.240.124
1.76.123	1.135.123	1.194.123	1.6.124	1.64.124	1.123.124	1.182.124	1.241.124
1.77.123	1.136.123	1.195.123	1.7.124	1.65.124	1.124.124	1.183.124	1.242.124
1.78.123	1.137.123	1.196.123	1.8.124	1.66.124	1.125.124	1.184.124	1.243.124
1.79.123	1.138.123	1.197.123	1.9.124	1.67.124	1.126.124	1.185.124	1.244.124
1.80.123	1.139.123	1.198.123	1.10.124	1.68.124	1.127.124	1.186.124	1.245.124
1.81.123	1.140.123	1.199.123	1.11.124	1.69.124	1.128.124	1.187.124	1.246.124
1.82.123	1.141.123	1.200.123	1.12.124	1.70.124	1.129.124	1.188.124	1.247.124
1.83.123	1.142.123	1.201.123	1.13.124	1.71.124	1.130.124	1.189.124	1.1.125
1.84.123	1.143.123	1.202.123	1.14.124	1.72.124	1.131.124	1.190.124	1.2.125
1.85.123	1.144.123	1.203.123	1.15.124	1.73.124	1.132.124	1.191.124	1.3.125
1.86.123	1.145.123	1.204.123	1.16.124	1.74.124	1.133.124	1.192.124	1.4.125
1.87.123	1.146.123	1.205.123	1.17.124	1.75.124	1.134.124	1.193.124	1.5.125
1.88.123	1.147.123	1.206.123	1.18.124	1.76.124	1.135.124	1.194.124	1.6.125
1.89.123	1.148.123	1.207.123	1.19.124	1.77.124	1.136.124	1.195.124	1.7.125
1.90.123	1.149.123	1.208.123	1.20.124	1.78.124	1.137.124	1.196.124	1.8.125
1.91.123	1.150.123	1.209.123	1.21.124	1.79.124	1.138.124	1.197.124	1.9.125
1.92.123	1.151.123	1.210.123	1.22.124	1.80.124	1.139.124	1.198.124	1.10.125
1.93.123	1.152.123	1.211.123	1.23.124	1.81.124	1.140.124	1.199.124	1.11.125
1.94.123	1.153.123	1.212.123	1.24.124	1.82.124	1.141.124	1.200.124	1.12.125
1.95.123	1.154.123	1.213.123	1.25.124	1.83.124	1.142.124	1.201.124	1.13.125
1.96.123	1.155.123	1.214.123	1.26.124	1.84.124	1.143.124	1.202.124	1.14.125
1.97.123	1.156.123	1.215.123	1.27.124	1.85.124	1.144.124	1.203.124	1.15.125
1.98.123	1.157.123	1.216.123	1.28.124	1.86.124	1.145.124	1.204.124	1.16.125
1.99.123	1.158.123	1.217.123	1.29.124	1.87.124	1.146.124	1.205.124	1.17.125
1.100.123	1.159.123	1.218.123	1.30.124	1.88.124	1.147.124	1.206.124	1.18.125
1.101.123	1.160.123	1.219.123	1.31.124	1.89.124	1.148.124	1.207.124	1.19.125
1.102.123	1.161.123	1.220.123	1.32.124	1.90.124	1.149.124	1.208.124	1.20.125
1.103.123	1.162.123	1.221.123	1.33.124	1.91.124	1.150.124	1.209.124	1.21.125
1.104.123	1.163.123	1.222.123	1.34.124	1.92.124	1.151.124	1.210.124	1.22.125
1.105.123	1.164.123	1.223.123	1.35.124	1.93.124	1.152.124	1.211.124	1.23.125
1.106.123	1.165.123	1.224.123	1.36.124	1.94.124	1.153.124	1.212.124	1.24.125
1.107.123	1.166.123	1.225.123	1.37.124	1.95.124	1.154.124	1.213.124	1.25.125
1.108.123	1.167.123	1.226.123	1.38.124	1.96.124	1.155.124	1.214.124	1.26.125
1.109.123	1.168.123	1.227.123	1.39.124	1.97.124	1.156.124	1.215.124	1.27.125
1.110.123	1.169.123	1.228.123	1.40.124	1.98.124	1.157.124	1.216.124	1.28.125
1.111.123	1.170.123	1.229.123	1.41.124	1.99.124	1.158.124	1.217.124	1.29.125
1.112.123	1.171.123	1.230.123	1.42.124	1.100.124	1.159.124	1.218.124	1.30.125
1.113.123	1.172.123	1.231.123	1.43.124	1.101.124	1.160.124	1.219.124	1.31.125
1.114.123	1.173.123	1.232.123	1.44.124	1.102.124	1.161.124	1.220.124	1.32.125
1.115.123	1.174.123	1.233.123	1.45.124	1.103.124	1.162.124	1.221.124	1.33.125
1.116.123	1.175.123	1.234.123	1.46.124	1.104.124	1.163.124	1.222.124	1.34.125
1.117.123	1.176.123	1.235.123	1.47.124	1.105.124	1.164.124	1.223.124	1.35.125
1.118.123	1.177.123	1.236.123	1.48.124	1.106.124	1.165.124	1.224.124	1.36.125
1.119.123	1.178.123	1.237.123	1.49.124	1.107.124	1.166.124	1.225.124	1.37.125
1.120.123	1.179.123	1.238.123	1.50.124	1.108.124	1.167.124	1.226.124	1.38.125
1.121.123	1.180.123	1.239.123	1.51.124	1.109.124	1.168.124	1.227.124	1.39.125
1.122.123	1.181.123	1.240.123	1.52.124	1.110.124	1.169.124	1.228.124	1.40.125
1.123.123	1.182.123	1.241.123	1.53.124	1.111.124	1.170.124	1.229.124	1.41.125
1.124.123	1.183.123	1.242.123	1.54.124	1.112.124	1.171.124	1.230.124	1.42.125
1.125.123	1.184.123	1.243.123	1.55.124	1.113.124	1.172.124	1.231.124	1.43.125
1.126.123	1.185.123	1.244.123	1.56.124	1.114.124	1.173.124	1.232.124	1.44.125
1.127.123	1.186.123	1.245.123	1.57.124	1.115.124	1.174.124	1.233.124	1.45.125
1.128.123	1.187.123	1.246.123	1.58.124	1.116.124	1.175.124	1.234.124	1.46.125
1.129.123	1.188.123	1.247.123	1.59.124	1.117.124	1.176.124	1.235.124	1.47.125
1.130.123	1.189.123	1.1.124	1.60.124	1.118.124	1.177.124	1.236.124	1.48.125
1.131.123	1.190.123	1.2.124	1.61.124	1.119.124	1.178.124	1.237.124	1.49.125
1.132.123	1.191.123	1.3.124	1.62.124	1.120.124	1.179.124	1.238.124	1.50.125
				1.121.124	1.180.124	1.239.124	1.51.125

1.52.125	1.111.125	1.170.125	1.227.125	1.41.126	1.100.126	1.159.126	1.218.126
1.53.125	1.112.125	1.171.125	1.230.125	1.42.126	1.101.126	1.160.126	1.219.126
1.54.125	1.113.125	1.172.125	1.231.125	1.43.126	1.102.126	1.161.126	1.220.126
1.55.125	1.114.125	1.173.125	1.232.125	1.44.126	1.103.126	1.162.126	1.221.126
1.56.125	1.115.125	1.174.125	1.233.125	1.45.126	1.104.126	1.163.126	1.222.126
1.57.125	1.116.125	1.175.125	1.234.125	1.46.126	1.105.126	1.164.126	1.223.126
1.58.125	1.117.125	1.176.125	1.235.125	1.47.126	1.106.126	1.165.126	1.224.126
1.59.125	1.118.125	1.177.125	1.236.125	1.48.126	1.107.126	1.166.126	1.225.126
1.60.125	1.119.125	1.178.125	1.237.125	1.49.126	1.108.126	1.167.126	1.226.126
1.61.125	1.120.125	1.179.125	1.238.125	1.50.126	1.109.126	1.168.126	1.227.126
1.62.125	1.121.125	1.180.125	1.239.125	1.51.126	1.110.126	1.169.126	1.228.126
1.63.125	1.122.125	1.181.125	1.240.125	1.52.126	1.111.126	1.170.126	1.229.126
1.64.125	1.123.125	1.182.125	1.241.125	1.53.126	1.112.126	1.171.126	1.230.126
1.65.125	1.124.125	1.183.125	1.242.125	1.54.126	1.113.126	1.172.126	1.231.126
1.66.125	1.125.125	1.184.125	1.243.125	1.55.126	1.114.126	1.173.126	1.232.126
1.67.125	1.126.125	1.185.125	1.244.125	1.56.126	1.115.126	1.174.126	1.233.126
1.68.125	1.127.125	1.186.125	1.245.125	1.57.126	1.116.126	1.175.126	1.234.126
1.69.125	1.128.125	1.187.125	1.246.125	1.58.126	1.117.126	1.176.126	1.235.126
1.70.125	1.129.125	1.188.125	1.247.125	1.59.126	1.118.126	1.177.126	1.236.126
1.71.125	1.130.125	1.189.125	1.1.126	1.60.126	1.119.126	1.178.126	1.237.126
1.72.125	1.131.125	1.190.125	1.2.126	1.61.126	1.120.126	1.179.126	1.238.126
1.73.125	1.132.125	1.191.125	1.3.126	1.62.126	1.121.126	1.180.126	1.239.126
1.74.125	1.133.125	1.192.125	1.4.126	1.63.126	1.122.126	1.181.126	1.240.126
1.75.125	1.134.125	1.193.125	1.5.126	1.64.126	1.123.126	1.182.126	1.241.126
1.76.125	1.135.125	1.194.125	1.6.126	1.65.126	1.124.126	1.183.126	1.242.126
1.77.125	1.136.125	1.195.125	1.7.126	1.66.126	1.125.126	1.184.126	1.243.126
1.78.125	1.137.125	1.196.125	1.8.126	1.67.126	1.126.126	1.185.126	1.244.126
1.79.125	1.138.125	1.197.125	1.9.126	1.68.126	1.127.126	1.186.126	1.245.126
1.80.125	1.139.125	1.198.125	1.10.126	1.69.126	1.128.126	1.187.126	1.246.126
1.81.125	1.140.125	1.199.125	1.11.126	1.70.126	1.129.126	1.188.126	1.247.126
1.82.125	1.141.125	1.200.125	1.12.126	1.71.126	1.130.126	1.189.126	1.1.127
1.83.125	1.142.125	1.201.125	1.13.126	1.72.126	1.131.126	1.190.126	1.2.127
1.84.125	1.143.125	1.202.125	1.14.126	1.73.126	1.132.126	1.191.126	1.3.127
1.85.125	1.144.125	1.203.125	1.15.126	1.74.126	1.133.126	1.192.126	1.4.127
1.86.125	1.145.125	1.204.125	1.16.126	1.75.126	1.134.126	1.193.126	1.5.127
1.87.125	1.146.125	1.205.125	1.17.126	1.76.126	1.135.126	1.194.126	1.6.127
1.88.125	1.147.125	1.206.125	1.18.126	1.77.126	1.136.126	1.195.126	1.7.127
1.89.125	1.148.125	1.207.125	1.19.126	1.78.126	1.137.126	1.196.126	1.8.127
1.90.125	1.149.125	1.208.125	1.20.126	1.79.126	1.138.126	1.197.126	1.9.127
1.91.125	1.150.125	1.209.125	1.21.126	1.80.126	1.139.126	1.198.126	1.10.127
1.92.125	1.151.125	1.210.125	1.22.126	1.81.126	1.140.126	1.199.126	1.11.127
1.93.125	1.152.125	1.211.125	1.23.126	1.82.126	1.141.126	1.200.126	1.12.127
1.94.125	1.153.125	1.212.125	1.24.126	1.83.126	1.142.126	1.201.126	1.13.127
1.95.125	1.154.125	1.213.125	1.25.126	1.84.126	1.143.126	1.202.126	1.14.127
1.96.125	1.155.125	1.214.125	1.26.126	1.85.126	1.144.126	1.203.126	1.15.127
1.97.125	1.156.125	1.215.125	1.27.126	1.86.126	1.145.126	1.204.126	1.16.127
1.98.125	1.157.125	1.216.125	1.28.126	1.87.126	1.146.126	1.205.126	1.17.127
1.99.125	1.158.125	1.217.125	1.29.126	1.88.126	1.147.126	1.206.126	1.18.127
1.100.125	1.159.125	1.218.125	1.30.126	1.89.126	1.148.126	1.207.126	1.19.127
1.101.125	1.160.125	1.219.125	1.31.126	1.90.126	1.149.126	1.208.126	1.20.127
1.102.125	1.161.125	1.220.125	1.32.126	1.91.126	1.150.126	1.209.126	1.21.127
1.103.125	1.162.125	1.221.125	1.33.126	1.92.126	1.151.126	1.210.126	1.22.127
1.104.125	1.163.125	1.222.125	1.34.126	1.93.126	1.152.126	1.211.126	1.23.127
1.105.125	1.164.125	1.223.125	1.35.126	1.94.126	1.153.126	1.212.126	1.24.127
1.106.125	1.165.125	1.224.125	1.36.126	1.95.126	1.154.126	1.213.126	1.25.127
1.107.125	1.166.125	1.225.125	1.37.126	1.96.126	1.155.126	1.214.126	1.26.127
1.108.125	1.167.125	1.226.125	1.38.126	1.97.126	1.156.126	1.215.126	1.27.127
1.109.125	1.168.125	1.227.125	1.39.126	1.98.126	1.157.126	1.216.126	1.28.127
1.110.125	1.169.125	1.228.125	1.40.126	1.99.126	1.158.126	1.217.126	1.29.127

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1.30.127	1.09.127	1.140.127	1.207.127	1.19.128	1.78.128	1.137.128	1.196.128
1.31.127	1.90.127	1.149.127	1.208.127	1.20.128	1.79.128	1.138.128	1.197.128
1.32.127	1.91.127	1.150.127	1.209.127	1.21.128	1.80.128	1.139.128	1.198.128
1.33.127	1.92.127	1.151.127	1.210.127	1.22.128	1.81.128	1.140.128	1.199.128
1.34.127	1.93.127	1.152.127	1.211.127	1.23.128	1.82.128	1.141.128	1.200.128
1.35.127	1.94.127	1.153.127	1.212.127	1.24.128	1.83.128	1.142.128	1.201.128
1.36.127	1.95.127	1.154.127	1.213.127	1.25.128	1.84.128	1.143.128	1.202.128
1.37.127	1.96.127	1.155.127	1.214.127	1.26.128	1.85.128	1.144.128	1.203.128
1.38.127	1.97.127	1.156.127	1.215.127	1.27.128	1.86.128	1.145.128	1.204.128
1.39.127	1.98.127	1.157.127	1.216.127	1.28.128	1.87.128	1.146.128	1.205.128
1.40.127	1.99.127	1.158.127	1.217.127	1.29.128	1.88.128	1.147.128	1.206.128
1.41.127	1.100.127	1.159.127	1.218.127	1.30.128	1.89.128	1.148.128	1.207.128
1.42.127	1.101.127	1.160.127	1.219.127	1.31.128	1.90.128	1.149.128	1.208.128
1.43.127	1.102.127	1.161.127	1.220.127	1.32.128	1.91.128	1.150.128	1.209.128
1.44.127	1.103.127	1.162.127	1.221.127	1.33.128	1.92.128	1.151.128	1.210.128
1.45.127	1.104.127	1.163.127	1.222.127	1.34.128	1.93.128	1.152.128	1.211.128
1.46.127	1.105.127	1.164.127	1.223.127	1.35.128	1.94.128	1.153.128	1.212.128
1.47.127	1.106.127	1.165.127	1.224.127	1.36.128	1.95.128	1.154.128	1.213.128
1.48.127	1.107.127	1.166.127	1.225.127	1.37.128	1.96.128	1.155.128	1.214.128
1.49.127	1.108.127	1.167.127	1.226.127	1.38.128	1.97.128	1.156.128	1.215.128
1.50.127	1.109.127	1.168.127	1.227.127	1.39.128	1.98.128	1.157.128	1.216.128
1.51.127	1.110.127	1.169.127	1.228.127	1.40.128	1.99.128	1.158.128	1.217.128
1.52.127	1.111.127	1.170.127	1.229.127	1.41.128	1.100.128	1.159.128	1.218.128
1.53.127	1.112.127	1.171.127	1.230.127	1.42.128	1.101.128	1.160.128	1.219.128
1.54.127	1.113.127	1.172.127	1.231.127	1.43.128	1.102.128	1.161.128	1.220.128
1.55.127	1.114.127	1.173.127	1.232.127	1.44.128	1.103.128	1.162.128	1.221.128
1.56.127	1.115.127	1.174.127	1.233.127	1.45.128	1.104.128	1.163.128	1.222.128
1.57.127	1.116.127	1.175.127	1.234.127	1.46.128	1.105.128	1.164.128	1.223.128
1.58.127	1.117.127	1.176.127	1.235.127	1.47.128	1.106.128	1.165.128	1.224.128
1.59.127	1.118.127	1.177.127	1.236.127	1.48.128	1.107.128	1.166.128	1.225.128
1.60.127	1.119.127	1.178.127	1.237.127	1.49.128	1.108.128	1.167.128	1.226.128
1.61.127	1.120.127	1.179.127	1.238.127	1.50.128	1.109.128	1.168.128	1.227.128
1.62.127	1.121.127	1.180.127	1.239.127	1.51.128	1.110.128	1.169.128	1.228.128
1.63.127	1.122.127	1.181.127	1.240.127	1.52.128	1.111.128	1.170.128	1.229.128
1.64.127	1.123.127	1.182.127	1.241.127	1.53.128	1.112.128	1.171.128	1.230.128
1.65.127	1.124.127	1.183.127	1.242.127	1.54.128	1.113.128	1.172.128	1.231.128
1.66.127	1.125.127	1.184.127	1.243.127	1.55.128	1.114.128	1.173.128	1.232.128
1.67.127	1.126.127	1.185.127	1.244.127	1.56.128	1.115.128	1.174.128	1.233.128
1.68.127	1.127.127	1.186.127	1.245.127	1.57.128	1.116.128	1.175.128	1.234.128
1.69.127	1.128.127	1.187.127	1.246.127	1.58.128	1.117.128	1.176.128	1.235.128
1.70.127	1.129.127	1.188.127	1.247.127	1.59.128	1.118.128	1.177.128	1.236.128
1.71.127	1.130.127	1.189.127	1.1.128	1.60.128	1.119.128	1.178.128	1.237.128
1.72.127	1.131.127	1.190.127	1.2.128	1.61.128	1.120.128	1.179.128	1.238.128
1.73.127	1.132.127	1.191.127	1.3.128	1.62.128	1.121.128	1.180.128	1.239.128
1.74.127	1.133.127	1.192.127	1.4.128	1.63.128	1.122.128	1.181.128	1.240.128
1.75.127	1.134.127	1.193.127	1.5.128	1.64.128	1.123.128	1.182.128	1.241.128
1.76.127	1.135.127	1.194.127	1.6.128	1.65.128	1.124.128	1.183.128	1.242.128
1.77.127	1.136.127	1.195.127	1.7.128	1.66.128	1.125.128	1.184.128	1.243.128
1.78.127	1.137.127	1.196.127	1.8.128	1.67.128	1.126.128	1.185.128	1.244.128
1.79.127	1.138.127	1.197.127	1.9.128	1.68.128	1.127.128	1.186.128	1.245.128
1.80.127	1.139.127	1.198.127	1.10.128	1.69.128	1.128.128	1.187.128	1.246.128
1.81.127	1.140.127	1.199.127	1.11.128	1.70.128	1.129.128	1.188.128	1.247.128
1.82.127	1.141.127	1.200.127	1.12.128	1.71.128	1.130.128	1.189.128	1.1.129
1.83.127	1.142.127	1.201.127	1.13.128	1.72.128	1.131.128	1.190.128	1.2.129
1.84.127	1.143.127	1.202.127	1.14.128	1.73.128	1.132.128	1.191.128	1.3.129
1.85.127	1.144.127	1.203.127	1.15.128	1.74.128	1.133.128	1.192.128	1.4.129
1.86.127	1.145.127	1.204.127	1.16.128	1.75.128	1.134.128	1.193.128	1.5.129
1.87.127	1.146.127	1.205.127	1.17.128	1.76.128	1.135.128	1.194.128	1.6.129
1.88.127	1.147.127	1.206.127	1.18.128	1.77.128	1.136.128	1.195.128	1.7.129

				1.244.129	1.56.130	1.115.130	1.174.130
1.9.129	1.68.129	1.127.129	1.186.129	1.245.129	1.57.130	1.116.130	1.175.130
1.10.129	1.69.129	1.128.129	1.187.129	1.246.129	1.58.130	1.117.130	1.176.130
1.11.129	1.70.129	1.129.129	1.188.129	1.247.129	1.59.130	1.118.130	1.177.130
1.12.129	1.71.129	1.130.129	1.189.129	1.1.130	1.60.130	1.119.130	1.178.130
1.13.129	1.72.129	1.131.129	1.190.129	1.2.130	1.61.130	1.120.130	1.179.130
1.14.129	1.73.129	1.132.129	1.191.129	1.3.130	1.62.130	1.121.130	1.180.130
1.15.129	1.74.129	1.133.129	1.192.129	1.4.130	1.63.130	1.122.130	1.181.130
1.16.129	1.75.129	1.134.129	1.193.129	1.5.130	1.64.130	1.123.130	1.182.130
1.17.129	1.76.129	1.135.129	1.194.129	1.6.130	1.65.130	1.124.130	1.183.130
1.18.129	1.77.129	1.136.129	1.195.129	1.7.130	1.66.130	1.125.130	1.184.130
1.19.129	1.78.129	1.137.129	1.196.129	1.8.130	1.67.130	1.126.130	1.185.130
1.20.129	1.79.129	1.138.129	1.197.129	1.9.130	1.68.130	1.127.130	1.186.130
1.21.129	1.80.129	1.139.129	1.198.129	1.10.130	1.69.130	1.128.130	1.187.130
1.22.129	1.81.129	1.140.129	1.199.129	1.11.130	1.70.130	1.129.130	1.188.130
1.23.129	1.82.129	1.141.129	1.200.129	1.12.130	1.71.130	1.130.130	1.189.130
1.24.129	1.83.129	1.142.129	1.201.129	1.13.130	1.72.130	1.131.130	1.190.130
1.25.129	1.84.129	1.143.129	1.202.129	1.14.130	1.73.130	1.132.130	1.191.130
1.26.129	1.85.129	1.144.129	1.203.129	1.15.130	1.74.130	1.133.130	1.192.130
1.27.129	1.86.129	1.145.129	1.204.129	1.16.130	1.75.130	1.134.130	1.193.130
1.28.129	1.87.129	1.146.129	1.205.129	1.17.130	1.76.130	1.135.130	1.194.130
1.29.129	1.88.129	1.147.129	1.206.129	1.18.130	1.77.130	1.136.130	1.195.130
1.30.129	1.89.129	1.148.129	1.207.129	1.19.130	1.78.130	1.137.130	1.196.130
1.31.129	1.90.129	1.149.129	1.208.129	1.20.130	1.79.130	1.138.130	1.197.130
1.32.129	1.91.129	1.150.129	1.209.129	1.21.130	1.80.130	1.139.130	1.198.130
1.33.129	1.92.129	1.151.129	1.210.129	1.22.130	1.81.130	1.140.130	1.199.130
1.34.129	1.93.129	1.152.129	1.211.129	1.23.130	1.82.130	1.141.130	1.200.130
1.35.129	1.94.129	1.153.129	1.212.129	1.24.130	1.83.130	1.142.130	1.201.130
1.36.129	1.95.129	1.154.129	1.213.129	1.25.130	1.84.130	1.143.130	1.202.130
1.37.129	1.96.129	1.155.129	1.214.129	1.26.130	1.85.130	1.144.130	1.203.130
1.38.129	1.97.129	1.156.129	1.215.129	1.27.130	1.86.130	1.145.130	1.204.130
1.39.129	1.98.129	1.157.129	1.216.129	1.28.130	1.87.130	1.146.130	1.205.130
1.40.129	1.99.129	1.158.129	1.217.129	1.29.130	1.88.130	1.147.130	1.206.130
1.41.129	1.100.129	1.159.129	1.218.129	1.30.130	1.89.130	1.148.130	1.207.130
1.42.129	1.101.129	1.160.129	1.219.129	1.31.130	1.90.130	1.149.130	1.208.130
1.43.129	1.102.129	1.161.129	1.220.129	1.32.130	1.91.130	1.150.130	1.209.130
1.44.129	1.103.129	1.162.129	1.221.129	1.33.130	1.92.130	1.151.130	1.210.130
1.45.129	1.104.129	1.163.129	1.222.129	1.34.130	1.93.130	1.152.130	1.211.130
1.46.129	1.105.129	1.164.129	1.223.129	1.35.130	1.94.130	1.153.130	1.212.130
1.47.129	1.106.129	1.165.129	1.224.129	1.36.130	1.95.130	1.154.130	1.213.130
1.48.129	1.107.129	1.166.129	1.225.129	1.37.130	1.96.130	1.155.130	1.214.130
1.49.129	1.108.129	1.167.129	1.226.129	1.38.130	1.97.130	1.156.130	1.215.130
1.50.129	1.109.129	1.168.129	1.227.129	1.39.130	1.98.130	1.157.130	1.216.130
1.51.129	1.110.129	1.169.129	1.228.129	1.40.130	1.99.130	1.158.130	1.217.130
1.52.129	1.111.129	1.170.129	1.229.129	1.41.130	1.100.130	1.159.130	1.218.130
1.53.129	1.112.129	1.171.129	1.230.129	1.42.130	1.101.130	1.160.130	1.219.130
1.54.129	1.113.129	1.172.129	1.231.129	1.43.130	1.102.130	1.161.130	1.220.130
1.55.129	1.114.129	1.173.129	1.232.129	1.44.130	1.103.130	1.162.130	1.221.130
1.56.129	1.115.129	1.174.129	1.233.129	1.45.130	1.104.130	1.163.130	1.222.130
1.57.129	1.116.129	1.175.129	1.234.129	1.46.130	1.105.130	1.164.130	1.223.130
1.58.129	1.117.129	1.176.129	1.235.129	1.47.130	1.106.130	1.165.130	1.224.130
1.59.129	1.118.129	1.177.129	1.236.129	1.48.130	1.107.130	1.166.130	1.225.130
1.60.129	1.119.129	1.178.129	1.237.129	1.49.130	1.108.130	1.167.130	1.226.130
1.61.129	1.120.129	1.179.129	1.238.129	1.50.130	1.109.130	1.168.130	1.227.130
1.62.129	1.121.129	1.180.129	1.239.129	1.51.130	1.110.130	1.169.130	1.228.130
1.63.129	1.122.129	1.181.129	1.240.129	1.52.130	1.111.130	1.170.130	1.229.130
1.64.129	1.123.129	1.182.129	1.241.129	1.53.130	1.112.130	1.171.130	1.230.130
1.65.129	1.124.129	1.183.129	1.242.129	1.54.130	1.113.130	1.172.130	1.231.130
1.66.129	1.125.129	1.184.129	1.243.129	1.55.130	1.114.130	1.173.130	1.232.130

1.234.130	1.46.131	1.105.131	1.164.131	1.222.131	1.34.132	1.93.132	1.152.132
1.235.130	1.47.131	1.106.131	1.165.131	1.223.131	1.35.132	1.94.132	1.153.132
1.236.130	1.48.131	1.107.131	1.166.131	1.224.131	1.36.132	1.95.132	1.154.132
1.237.130	1.49.131	1.108.131	1.167.131	1.225.131	1.37.132	1.96.132	1.155.132
1.238.130	1.50.131	1.109.131	1.168.131	1.226.131	1.38.132	1.97.132	1.156.132
1.239.130	1.51.131	1.110.131	1.169.131	1.227.131	1.39.132	1.98.132	1.157.132
1.240.130	1.52.131	1.111.131	1.170.131	1.228.131	1.40.132	1.99.132	1.158.132
1.241.130	1.53.131	1.112.131	1.171.131	1.229.131	1.41.132	1.100.132	1.159.132
1.242.130	1.54.131	1.113.131	1.172.131	1.230.131	1.42.132	1.101.132	1.160.132
1.243.130	1.55.131	1.114.131	1.173.131	1.231.131	1.43.132	1.102.132	1.161.132
1.244.130	1.56.131	1.115.131	1.174.131	1.232.131	1.44.132	1.103.132	1.162.132
1.245.130	1.57.131	1.116.131	1.175.131	1.233.131	1.45.132	1.104.132	1.163.132
1.246.130	1.58.131	1.117.131	1.176.131	1.234.131	1.46.132	1.105.132	1.164.132
1.247.130	1.59.131	1.118.131	1.177.131	1.235.131	1.47.132	1.106.132	1.165.132
1.1.131	1.60.131	1.119.131	1.178.131	1.236.131	1.48.132	1.107.132	1.166.132
1.2.131	1.61.131	1.120.131	1.179.131	1.237.131	1.49.132	1.108.132	1.167.132
1.3.131	1.62.131	1.121.131	1.180.131	1.238.131	1.50.132	1.109.132	1.168.132
1.4.131	1.63.131	1.122.131	1.181.131	1.239.131	1.51.132	1.110.132	1.169.132
1.5.131	1.64.131	1.123.131	1.182.131	1.240.131	1.52.132	1.111.132	1.170.132
1.6.131	1.65.131	1.124.131	1.183.131	1.241.131	1.53.132	1.112.132	1.171.132
1.7.131	1.66.131	1.125.131	1.184.131	1.242.131	1.54.132	1.113.132	1.172.132
1.8.131	1.67.131	1.126.131	1.185.131	1.243.131	1.55.132	1.114.132	1.173.132
1.9.131	1.68.131	1.127.131	1.186.131	1.244.131	1.56.132	1.115.132	1.174.132
1.10.131	1.69.131	1.128.131	1.187.131	1.245.131	1.57.132	1.116.132	1.175.132
1.11.131	1.70.131	1.129.131	1.188.131	1.246.131	1.58.132	1.117.132	1.176.132
1.12.131	1.71.131	1.130.131	1.189.131	1.247.131	1.59.132	1.118.132	1.177.132
1.13.131	1.72.131	1.131.131	1.190.131	1.1.132	1.60.132	1.119.132	1.178.132
1.14.131	1.73.131	1.132.131	1.191.131	1.2.132	1.61.132	1.120.132	1.179.132
1.15.131	1.74.131	1.133.131	1.192.131	1.3.132	1.62.132	1.121.132	1.180.132
1.16.131	1.75.131	1.134.131	1.193.131	1.4.132	1.63.132	1.122.132	1.181.132
1.17.131	1.76.131	1.135.131	1.194.131	1.5.132	1.64.132	1.123.132	1.182.132
1.18.131	1.77.131	1.136.131	1.195.131	1.6.132	1.65.132	1.124.132	1.183.132
1.19.131	1.78.131	1.137.131	1.196.131	1.7.132	1.66.132	1.125.132	1.184.132
1.20.131	1.79.131	1.138.131	1.197.131	1.8.132	1.67.132	1.126.132	1.185.132
1.21.131	1.80.131	1.139.131	1.198.131	1.9.132	1.68.132	1.127.132	1.186.132
1.22.131	1.81.131	1.140.131	1.199.131	1.10.132	1.69.132	1.128.132	1.187.132
1.23.131	1.82.131	1.141.131	1.200.131	1.11.132	1.70.132	1.129.132	1.188.132
1.24.131	1.83.131	1.142.131	1.201.131	1.12.132	1.71.132	1.130.132	1.189.132
1.25.131	1.84.131	1.143.131	1.202.131	1.13.132	1.72.132	1.131.132	1.190.132
1.26.131	1.85.131	1.144.131	1.203.131	1.14.132	1.73.132	1.132.132	1.191.132
1.27.131	1.86.131	1.145.131	1.204.131	1.15.132	1.74.132	1.133.132	1.192.132
1.28.131	1.87.131	1.146.131	1.205.131	1.16.132	1.75.132	1.134.132	1.193.132
1.29.131	1.88.131	1.147.131	1.206.131	1.17.132	1.76.132	1.135.132	1.194.132
1.30.131	1.89.131	1.148.131	1.207.131	1.18.132	1.77.132	1.136.132	1.195.132
1.31.131	1.90.131	1.149.131	1.208.131	1.19.132	1.78.132	1.137.132	1.196.132
1.32.131	1.91.131	1.150.131	1.209.131	1.20.132	1.79.132	1.138.132	1.197.132
1.33.131	1.92.131	1.151.131	1.210.131	1.21.132	1.80.132	1.139.132	1.198.132
1.34.131	1.93.131	1.152.131	1.211.131	1.22.132	1.81.132	1.140.132	1.199.132
1.35.131	1.94.131	1.153.131	1.212.131	1.23.132	1.82.132	1.141.132	1.200.132
1.36.131	1.95.131	1.154.131	1.213.131	1.24.132	1.83.132	1.142.132	1.201.132
1.37.131	1.96.131	1.155.131	1.214.131	1.25.132	1.84.132	1.143.132	1.202.132
1.38.131	1.97.131	1.156.131	1.215.131	1.26.132	1.85.132	1.144.132	1.203.132
1.39.131	1.98.131	1.157.131	1.216.131	1.27.132	1.86.132	1.145.132	1.204.132
1.40.131	1.99.131	1.158.131	1.217.131	1.28.132	1.87.132	1.146.132	1.205.132
1.41.131	1.100.131	1.159.131	1.218.131	1.29.132	1.88.132	1.147.132	1.206.132
1.42.131	1.101.131	1.160.131	1.219.131	1.30.132	1.89.132	1.148.132	1.207.132
1.43.131	1.102.131	1.161.131	1.220.131	1.31.132	1.90.132	1.149.132	1.208.132
1.44.131	1.103.131	1.162.131	1.221.131	1.32.132	1.91.132	1.150.132	1.209.132
				1.33.132	1.92.132	1.151.132	1.210.132

1.211.132	1.23.133	1.82.133	1.141.133	1.200.133	1.12.134	1.71.134	1.130.134
1.212.132	1.24.133	1.83.133	1.142.133	1.201.133	1.13.134	1.72.134	1.131.134
1.213.132	1.25.133	1.84.133	1.143.133	1.202.133	1.14.134	1.73.134	1.132.134
1.214.132	1.26.133	1.85.133	1.144.133	1.203.133	1.15.134	1.74.134	1.133.134
1.215.132	1.27.133	1.86.133	1.145.133	1.204.133	1.16.134	1.75.134	1.134.134
1.216.132	1.28.133	1.87.133	1.146.133	1.205.133	1.17.134	1.76.134	1.135.134
1.217.132	1.29.133	1.88.133	1.147.133	1.206.133	1.18.134	1.77.134	1.136.134
1.218.132	1.30.133	1.89.133	1.148.133	1.207.133	1.19.134	1.78.134	1.137.134
1.219.132	1.31.133	1.90.133	1.149.133	1.208.133	1.20.134	1.79.134	1.138.134
1.220.132	1.32.133	1.91.133	1.150.133	1.209.133	1.21.134	1.80.134	1.139.134
1.221.132	1.33.133	1.92.133	1.151.133	1.210.133	1.22.134	1.81.134	1.140.134
1.222.132	1.34.133	1.93.133	1.152.133	1.211.133	1.23.134	1.82.134	1.141.134
1.223.132	1.35.133	1.94.133	1.153.133	1.212.133	1.24.134	1.83.134	1.142.134
1.224.132	1.36.133	1.95.133	1.154.133	1.213.133	1.25.134	1.84.134	1.143.134
1.225.132	1.37.133	1.96.133	1.155.133	1.214.133	1.26.134	1.85.134	1.144.134
1.226.132	1.38.133	1.97.133	1.156.133	1.215.133	1.27.134	1.86.134	1.145.134
1.227.132	1.39.133	1.98.133	1.157.133	1.216.133	1.28.134	1.87.134	1.146.134
1.228.132	1.40.133	1.99.133	1.158.133	1.217.133	1.29.134	1.88.134	1.147.134
1.229.132	1.41.133	1.100.133	1.159.133	1.218.133	1.30.134	1.89.134	1.148.134
1.230.132	1.42.133	1.101.133	1.160.133	1.219.133	1.31.134	1.90.134	1.149.134
1.231.132	1.43.133	1.102.133	1.161.133	1.220.133	1.32.134	1.91.134	1.150.134
1.232.132	1.44.133	1.103.133	1.162.133	1.221.133	1.33.134	1.92.134	1.151.134
1.233.132	1.45.133	1.104.133	1.163.133	1.222.133	1.34.134	1.93.134	1.152.134
1.234.132	1.46.133	1.105.133	1.164.133	1.223.133	1.35.134	1.94.134	1.153.134
1.235.132	1.47.133	1.106.133	1.165.133	1.224.133	1.36.134	1.95.134	1.154.134
1.236.132	1.48.133	1.107.133	1.166.133	1.225.133	1.37.134	1.96.134	1.155.134
1.237.132	1.49.133	1.108.133	1.167.133	1.226.133	1.38.134	1.97.134	1.156.134
1.238.132	1.50.133	1.109.133	1.168.133	1.227.133	1.39.134	1.98.134	1.157.134
1.239.132	1.51.133	1.110.133	1.169.133	1.228.133	1.40.134	1.99.134	1.158.134
1.240.132	1.52.133	1.111.133	1.170.133	1.229.133	1.41.134	1.100.134	1.159.134
1.241.132	1.53.133	1.112.133	1.171.133	1.230.133	1.42.134	1.101.134	1.160.134
1.242.132	1.54.133	1.113.133	1.172.133	1.231.133	1.43.134	1.102.134	1.161.134
1.243.132	1.55.133	1.114.133	1.173.133	1.232.133	1.44.134	1.103.134	1.162.134
1.244.132	1.56.133	1.115.133	1.174.133	1.233.133	1.45.134	1.104.134	1.163.134
1.245.132	1.57.133	1.116.133	1.175.133	1.234.133	1.46.134	1.105.134	1.164.134
1.246.132	1.58.133	1.117.133	1.176.133	1.235.133	1.47.134	1.106.134	1.165.134
1.247.132	1.59.133	1.118.133	1.177.133	1.236.133	1.48.134	1.107.134	1.166.134
1.1.133	1.60.133	1.119.133	1.178.133	1.237.133	1.49.134	1.108.134	1.167.134
1.2.133	1.61.133	1.120.133	1.179.133	1.238.133	1.50.134	1.109.134	1.168.134
1.3.133	1.62.133	1.121.133	1.180.133	1.239.133	1.51.134	1.110.134	1.169.134
1.4.133	1.63.133	1.122.133	1.181.133	1.240.133	1.52.134	1.111.134	1.170.134
1.5.133	1.64.133	1.123.133	1.182.133	1.241.133	1.53.134	1.112.134	1.171.134
1.6.133	1.65.133	1.124.133	1.183.133	1.242.133	1.54.134	1.113.134	1.172.134
1.7.133	1.66.133	1.125.133	1.184.133	1.243.133	1.55.134	1.114.134	1.173.134
1.8.133	1.67.133	1.126.133	1.185.133	1.244.133	1.56.134	1.115.134	1.174.134
1.9.133	1.68.133	1.127.133	1.186.133	1.245.133	1.57.134	1.116.134	1.175.134
1.10.133	1.69.133	1.128.133	1.187.133	1.246.133	1.58.134	1.117.134	1.176.134
1.11.133	1.70.133	1.129.133	1.188.133	1.247.133	1.59.134	1.118.134	1.177.134
1.12.133	1.71.133	1.130.133	1.189.133	1.1.134	1.60.134	1.119.134	1.178.134
1.13.133	1.72.133	1.131.133	1.190.133	1.2.134	1.61.134	1.120.134	1.179.134
1.14.133	1.73.133	1.132.133	1.191.133	1.3.134	1.62.134	1.121.134	1.180.134
1.15.133	1.74.133	1.133.133	1.192.133	1.4.134	1.63.134	1.122.134	1.181.134
1.16.133	1.75.133	1.134.133	1.193.133	1.5.134	1.64.134	1.123.134	1.182.134
1.17.133	1.76.133	1.135.133	1.194.133	1.6.134	1.65.134	1.124.134	1.183.134
1.18.133	1.77.133	1.136.133	1.195.133	1.7.134	1.66.134	1.125.134	1.184.134
1.19.133	1.78.133	1.137.133	1.196.133	1.8.134	1.67.134	1.126.134	1.185.134
1.20.133	1.79.133	1.138.133	1.197.133	1.9.134	1.68.134	1.127.134	1.186.134
1.21.133	1.80.133	1.139.133	1.198.133	1.10.134	1.69.134	1.128.134	1.187.134
1.22.133	1.81.133	1.140.133	1.199.133	1.11.134	1.70.134	1.129.134	1.188.134



1.187.134	1.1.135	1.60.135	1.119.135	1.178.135	1.237.135	1.49.136	1.108.136
1.190.134	1.2.135	1.61.135	1.120.135	1.179.135	1.238.135	1.50.136	1.109.136
1.191.134	1.3.135	1.62.135	1.121.135	1.180.135	1.239.135	1.51.136	1.110.136
1.192.134	1.4.135	1.63.135	1.122.135	1.181.135	1.240.135	1.52.136	1.111.136
1.193.134	1.5.135	1.64.135	1.123.135	1.182.135	1.241.135	1.53.136	1.112.136
1.194.134	1.6.135	1.65.135	1.124.135	1.183.135	1.242.135	1.54.136	1.113.136
1.195.134	1.7.135	1.66.135	1.125.135	1.184.135	1.243.135	1.55.136	1.114.136
1.196.134	1.8.135	1.67.135	1.126.135	1.185.135	1.244.135	1.56.136	1.115.136
1.197.134	1.9.135	1.68.135	1.127.135	1.186.135	1.245.135	1.57.136	1.116.136
1.198.134	1.10.135	1.69.135	1.128.135	1.187.135	1.246.135	1.58.136	1.117.136
1.199.134	1.11.135	1.70.135	1.129.135	1.188.135	1.247.135	1.59.136	1.118.136
1.200.134	1.12.135	1.71.135	1.130.135	1.189.135	1.1.136	1.60.136	1.119.136
1.201.134	1.13.135	1.72.135	1.131.135	1.190.135	1.2.136	1.61.136	1.120.136
1.202.134	1.14.135	1.73.135	1.132.135	1.191.135	1.3.136	1.62.136	1.121.136
1.203.134	1.15.135	1.74.135	1.133.135	1.192.135	1.4.136	1.63.136	1.122.136
1.204.134	1.16.135	1.75.135	1.134.135	1.193.135	1.5.136	1.64.136	1.123.136
1.205.134	1.17.135	1.76.135	1.135.135	1.194.135	1.6.136	1.65.136	1.124.136
1.206.134	1.18.135	1.77.135	1.136.135	1.195.135	1.7.136	1.66.136	1.125.136
1.207.134	1.19.135	1.78.135	1.137.135	1.196.135	1.8.136	1.67.136	1.126.136
1.208.134	1.20.135	1.79.135	1.138.135	1.197.135	1.9.136	1.68.136	1.127.136
1.209.134	1.21.135	1.80.135	1.139.135	1.198.135	1.10.136	1.69.136	1.128.136
1.210.134	1.22.135	1.81.135	1.140.135	1.199.135	1.11.136	1.70.136	1.129.136
1.211.134	1.23.135	1.82.135	1.141.135	1.200.135	1.12.136	1.71.136	1.130.136
1.212.134	1.24.135	1.83.135	1.142.135	1.201.135	1.13.136	1.72.136	1.131.136
1.213.134	1.25.135	1.84.135	1.143.135	1.202.135	1.14.136	1.73.136	1.132.136
1.214.134	1.26.135	1.85.135	1.144.135	1.203.135	1.15.136	1.74.136	1.133.136
1.215.134	1.27.135	1.86.135	1.145.135	1.204.135	1.16.136	1.75.136	1.134.136
1.216.134	1.28.135	1.87.135	1.146.135	1.205.135	1.17.136	1.76.136	1.135.136
1.217.134	1.29.135	1.88.135	1.147.135	1.206.135	1.18.136	1.77.136	1.136.136
1.218.134	1.30.135	1.89.135	1.148.135	1.207.135	1.19.136	1.78.136	1.137.136
1.219.134	1.31.135	1.90.135	1.149.135	1.208.135	1.20.136	1.79.136	1.138.136
1.220.134	1.32.135	1.91.135	1.150.135	1.209.135	1.21.136	1.80.136	1.139.136
1.221.134	1.33.135	1.92.135	1.151.135	1.210.135	1.22.136	1.81.136	1.140.136
1.222.134	1.34.135	1.93.135	1.152.135	1.211.135	1.23.136	1.82.136	1.141.136
1.223.134	1.35.135	1.94.135	1.153.135	1.212.135	1.24.136	1.83.136	1.142.136
1.224.134	1.36.135	1.95.135	1.154.135	1.213.135	1.25.136	1.84.136	1.143.136
1.225.134	1.37.135	1.96.135	1.155.135	1.214.135	1.26.136	1.85.136	1.144.136
1.226.134	1.38.135	1.97.135	1.156.135	1.215.135	1.27.136	1.86.136	1.145.136
1.227.134	1.39.135	1.98.135	1.157.135	1.216.135	1.28.136	1.87.136	1.146.136
1.228.134	1.40.135	1.99.135	1.158.135	1.217.135	1.29.136	1.88.136	1.147.136
1.229.134	1.41.135	1.100.135	1.159.135	1.218.135	1.30.136	1.89.136	1.148.136
1.230.134	1.42.135	1.101.135	1.160.135	1.219.135	1.31.136	1.90.136	1.149.136
1.231.134	1.43.135	1.102.135	1.161.135	1.220.135	1.32.136	1.91.136	1.150.136
1.232.134	1.44.135	1.103.135	1.162.135	1.221.135	1.33.136	1.92.136	1.151.136
1.233.134	1.45.135	1.104.135	1.163.135	1.222.135	1.34.136	1.93.136	1.152.136
1.234.134	1.46.135	1.105.135	1.164.135	1.223.135	1.35.136	1.94.136	1.153.136
1.235.134	1.47.135	1.106.135	1.165.135	1.224.135	1.36.136	1.95.136	1.154.136
1.236.134	1.48.135	1.107.135	1.166.135	1.225.135	1.37.136	1.96.136	1.155.136
1.237.134	1.49.135	1.108.135	1.167.135	1.226.135	1.38.136	1.97.136	1.156.136
1.238.134	1.50.135	1.109.135	1.168.135	1.227.135	1.39.136	1.98.136	1.157.136
1.239.134	1.51.135	1.110.135	1.169.135	1.228.135	1.40.136	1.99.136	1.158.136
1.240.134	1.52.135	1.111.135	1.170.135	1.229.135	1.41.136	1.100.136	1.159.136
1.241.134	1.53.135	1.112.135	1.171.135	1.230.135	1.42.136	1.101.136	1.160.136
1.242.134	1.54.135	1.113.135	1.172.135	1.231.135	1.43.136	1.102.136	1.161.136
1.243.134	1.55.135	1.114.135	1.173.135	1.232.135	1.44.136	1.103.136	1.162.136
1.244.134	1.56.135	1.115.135	1.174.135	1.233.135	1.45.136	1.104.136	1.163.136
1.245.134	1.57.135	1.116.135	1.175.135	1.234.135	1.46.136	1.105.136	1.164.136
1.246.134	1.58.135	1.117.135	1.176.135	1.235.135	1.47.136	1.106.136	1.165.136
1.247.134	1.59.135	1.118.135	1.177.135	1.236.135	1.48.136	1.107.136	1.166.136

1.168.136	1.227.136	1.39.137	1.98.137	1.156.137	1.215.137	1.27.138	1.86.138
1.169.136	1.228.136	1.40.137	1.99.137	1.157.137	1.216.137	1.28.138	1.87.138
1.170.136	1.229.136	1.41.137	1.100.137	1.158.137	1.217.137	1.29.138	1.88.138
1.171.136	1.230.136	1.42.137	1.101.137	1.159.137	1.218.137	1.30.138	1.89.138
1.172.136	1.231.136	1.43.137	1.102.137	1.160.137	1.219.137	1.31.138	1.90.138
1.173.136	1.232.136	1.44.137	1.103.137	1.161.137	1.220.137	1.32.138	1.91.138
1.174.136	1.233.136	1.45.137	1.104.137	1.162.137	1.221.137	1.33.138	1.92.138
1.175.136	1.234.136	1.46.137	1.105.137	1.163.137	1.222.137	1.34.138	1.93.138
1.176.136	1.235.136	1.47.137	1.106.137	1.164.137	1.223.137	1.35.138	1.94.138
1.177.136	1.236.136	1.48.137	1.107.137	1.165.137	1.224.137	1.36.138	1.95.138
1.178.136	1.237.136	1.49.137	1.108.137	1.166.137	1.225.137	1.37.138	1.96.138
1.179.136	1.238.136	1.50.137	1.109.137	1.167.137	1.226.137	1.38.138	1.97.138
1.180.136	1.239.136	1.51.137	1.110.137	1.168.137	1.227.137	1.39.138	1.98.138
1.181.136	1.240.136	1.52.137	1.111.137	1.169.137	1.228.137	1.40.138	1.99.138
1.182.136	1.241.136	1.53.137	1.112.137	1.170.137	1.229.137	1.41.138	1.100.138
1.183.136	1.242.136	1.54.137	1.113.137	1.171.137	1.230.137	1.42.138	1.101.138
1.184.136	1.243.136	1.55.137	1.114.137	1.172.137	1.231.137	1.43.138	1.102.138
1.185.136	1.244.136	1.56.137	1.115.137	1.173.137	1.232.137	1.44.138	1.103.138
1.186.136	1.245.136	1.57.137	1.116.137	1.174.137	1.233.137	1.45.138	1.104.138
1.187.136	1.246.136	1.58.137	1.117.137	1.175.137	1.234.137	1.46.138	1.105.138
1.188.136	1.247.136	1.59.137	1.118.137	1.176.137	1.235.137	1.47.138	1.106.138
1.189.136	1.1.137	1.60.137	1.119.137	1.177.137	1.236.137	1.48.138	1.107.138
1.190.136	1.2.137	1.61.137	1.120.137	1.178.137	1.237.137	1.49.138	1.108.138
1.191.136	1.3.137	1.62.137	1.121.137	1.179.137	1.238.137	1.50.138	1.109.138
1.192.136	1.4.137	1.63.137	1.122.137	1.180.137	1.239.137	1.51.138	1.110.138
1.193.136	1.5.137	1.64.137	1.123.137	1.181.137	1.240.137	1.52.138	1.111.138
1.194.136	1.6.137	1.65.137	1.124.137	1.182.137	1.241.137	1.53.138	1.112.138
1.195.136	1.7.137	1.66.137	1.125.137	1.183.137	1.242.137	1.54.138	1.113.138
1.196.136	1.8.137	1.67.137	1.126.137	1.184.137	1.243.137	1.55.138	1.114.138
1.197.136	1.9.137	1.68.137	1.127.137	1.185.137	1.244.137	1.56.138	1.115.138
1.198.136	1.10.137	1.69.137	1.128.137	1.186.137	1.245.137	1.57.138	1.116.138
1.199.136	1.11.137	1.70.137	1.129.137	1.187.137	1.246.137	1.58.138	1.117.138
1.200.136	1.12.137	1.71.137	1.130.137	1.188.137	1.247.137	1.59.138	1.118.138
1.201.136	1.13.137	1.72.137	1.131.137	1.189.137	1.1.138	1.60.138	1.119.138
1.202.136	1.14.137	1.73.137	1.132.137	1.190.137	1.2.138	1.61.138	1.120.138
1.203.136	1.15.137	1.74.137	1.133.137	1.191.137	1.3.138	1.62.138	1.121.138
1.204.136	1.16.137	1.75.137	1.134.137	1.192.137	1.4.138	1.63.138	1.122.138
1.205.136	1.17.137	1.76.137	1.135.137	1.193.137	1.5.138	1.64.138	1.123.138
1.206.136	1.18.137	1.77.137	1.136.137	1.194.137	1.6.138	1.65.138	1.124.138
1.207.136	1.19.137	1.78.137	1.137.137	1.195.137	1.7.138	1.66.138	1.125.138
1.208.136	1.20.137	1.79.137	1.138.137	1.196.137	1.8.138	1.67.138	1.126.138
1.209.136	1.21.137	1.80.137	1.139.137	1.197.137	1.9.138	1.68.138	1.127.138
1.210.136	1.22.137	1.81.137	1.140.137	1.198.137	1.10.138	1.69.138	1.128.138
1.211.136	1.23.137	1.82.137	1.141.137	1.199.137	1.11.138	1.70.138	1.129.138
1.212.136	1.24.137	1.83.137	1.142.137	1.200.137	1.12.138	1.71.138	1.130.138
1.213.136	1.25.137	1.84.137	1.143.137	1.201.137	1.13.138	1.72.138	1.131.138
1.214.136	1.26.137	1.85.137	1.144.137	1.202.137	1.14.138	1.73.138	1.132.138
1.215.136	1.27.137	1.86.137	1.145.137	1.203.137	1.15.138	1.74.138	1.133.138
1.216.136	1.28.137	1.87.137	1.146.137	1.204.137	1.16.138	1.75.138	1.134.138
1.217.136	1.29.137	1.88.137	1.147.137	1.205.137	1.17.138	1.76.138	1.135.138
1.218.136	1.30.137	1.89.137	1.148.137	1.206.137	1.18.138	1.77.138	1.136.138
1.219.136	1.31.137	1.90.137	1.149.137	1.207.137	1.19.138	1.78.138	1.137.138
1.220.136	1.32.137	1.91.137	1.150.137	1.208.137	1.20.138	1.79.138	1.138.138
1.221.136	1.33.137	1.92.137	1.151.137	1.209.137	1.21.138	1.80.138	1.139.138
1.222.136	1.34.137	1.93.137	1.152.137	1.210.137	1.22.138	1.81.138	1.140.138
1.223.136	1.35.137	1.94.137	1.153.137	1.211.137	1.23.138	1.82.138	1.141.138
1.224.136	1.36.137	1.95.137	1.154.137	1.212.137	1.24.138	1.83.138	1.142.138
1.225.136	1.37.137	1.96.137	1.155.137	1.213.137	1.25.138	1.84.138	1.143.138
				1.214.137	1.26.138	1.85.138	1.144.138

1.145.138	1.204.138	1.16.139	1.75.139	1.134.139	1.193.139	1.5.140	1.64.140
1.146.138	1.205.138	1.17.139	1.76.139	1.135.139	1.194.139	1.6.140	1.65.140
1.147.138	1.206.138	1.18.139	1.77.139	1.136.139	1.195.139	1.7.140	1.66.140
1.148.138	1.207.138	1.19.139	1.78.139	1.137.139	1.196.139	1.8.140	1.67.140
1.149.138	1.208.138	1.20.139	1.79.139	1.138.139	1.197.139	1.9.140	1.68.140
1.150.138	1.209.138	1.21.139	1.80.139	1.139.139	1.198.139	1.10.140	1.69.140
1.151.138	1.210.138	1.22.139	1.81.139	1.140.139	1.199.139	1.11.140	1.70.140
1.152.138	1.211.138	1.23.139	1.82.139	1.141.139	1.200.139	1.12.140	1.71.140
1.153.138	1.212.138	1.24.139	1.83.139	1.142.139	1.201.139	1.13.140	1.72.140
1.154.138	1.213.138	1.25.139	1.84.139	1.143.139	1.202.139	1.14.140	1.73.140
1.155.138	1.214.138	1.26.139	1.85.139	1.144.139	1.203.139	1.15.140	1.74.140
1.156.138	1.215.138	1.27.139	1.86.139	1.145.139	1.204.139	1.16.140	1.75.140
1.157.138	1.216.138	1.28.139	1.87.139	1.146.139	1.205.139	1.17.140	1.76.140
1.158.138	1.217.138	1.29.139	1.88.139	1.147.139	1.206.139	1.18.140	1.77.140
1.159.138	1.218.138	1.30.139	1.89.139	1.148.139	1.207.139	1.19.140	1.78.140
1.160.138	1.219.138	1.31.139	1.90.139	1.149.139	1.208.139	1.20.140	1.79.140
1.161.138	1.220.138	1.32.139	1.91.139	1.150.139	1.209.139	1.21.140	1.80.140
1.162.138	1.221.138	1.33.139	1.92.139	1.151.139	1.210.139	1.22.140	1.81.140
1.163.138	1.222.138	1.34.139	1.93.139	1.152.139	1.211.139	1.23.140	1.82.140
1.164.138	1.223.138	1.35.139	1.94.139	1.153.139	1.212.139	1.24.140	1.83.140
1.165.138	1.224.138	1.36.139	1.95.139	1.154.139	1.213.139	1.25.140	1.84.140
1.166.138	1.225.138	1.37.139	1.96.139	1.155.139	1.214.139	1.26.140	1.85.140
1.167.138	1.226.138	1.38.139	1.97.139	1.156.139	1.215.139	1.27.140	1.86.140
1.168.138	1.227.138	1.39.139	1.98.139	1.157.139	1.216.139	1.28.140	1.87.140
1.169.138	1.228.138	1.40.139	1.99.139	1.158.139	1.217.139	1.29.140	1.88.140
1.170.138	1.229.138	1.41.139	1.100.139	1.159.139	1.218.139	1.30.140	1.89.140
1.171.138	1.230.138	1.42.139	1.101.139	1.160.139	1.219.139	1.31.140	1.90.140
1.172.138	1.231.138	1.43.139	1.102.139	1.161.139	1.220.139	1.32.140	1.91.140
1.173.138	1.232.138	1.44.139	1.103.139	1.162.139	1.221.139	1.33.140	1.92.140
1.174.138	1.233.138	1.45.139	1.104.139	1.163.139	1.222.139	1.34.140	1.93.140
1.175.138	1.234.138	1.46.139	1.105.139	1.164.139	1.223.139	1.35.140	1.94.140
1.176.138	1.235.138	1.47.139	1.106.139	1.165.139	1.224.139	1.36.140	1.95.140
1.177.138	1.236.138	1.48.139	1.107.139	1.166.139	1.225.139	1.37.140	1.96.140
1.178.138	1.237.138	1.49.139	1.108.139	1.167.139	1.226.139	1.38.140	1.97.140
1.179.138	1.238.138	1.50.139	1.109.139	1.168.139	1.227.139	1.39.140	1.98.140
1.180.138	1.239.138	1.51.139	1.110.139	1.169.139	1.228.139	1.40.140	1.99.140
1.181.138	1.240.138	1.52.139	1.111.139	1.170.139	1.229.139	1.41.140	1.100.140
1.182.138	1.241.138	1.53.139	1.112.139	1.171.139	1.230.139	1.42.140	1.101.140
1.183.138	1.242.138	1.54.139	1.113.139	1.172.139	1.231.139	1.43.140	1.102.140
1.184.138	1.243.138	1.55.139	1.114.139	1.173.139	1.232.139	1.44.140	1.103.140
1.185.138	1.244.138	1.56.139	1.115.139	1.174.139	1.233.139	1.45.140	1.104.140
1.186.138	1.245.138	1.57.139	1.116.139	1.175.139	1.234.139	1.46.140	1.105.140
1.187.138	1.246.138	1.58.139	1.117.139	1.176.139	1.235.139	1.47.140	1.106.140
1.188.138	1.247.138	1.59.139	1.118.139	1.177.139	1.236.139	1.48.140	1.107.140
1.189.138	1.1.139	1.60.139	1.119.139	1.178.139	1.237.139	1.49.140	1.108.140
1.190.138	1.2.139	1.61.139	1.120.139	1.179.139	1.238.139	1.50.140	1.109.140
1.191.138	1.3.139	1.62.139	1.121.139	1.180.139	1.239.139	1.51.140	1.110.140
1.192.138	1.4.139	1.63.139	1.122.139	1.181.139	1.240.139	1.52.140	1.111.140
1.193.138	1.5.139	1.64.139	1.123.139	1.182.139	1.241.139	1.53.140	1.112.140
1.194.138	1.6.139	1.65.139	1.124.139	1.183.139	1.242.139	1.54.140	1.113.140
1.195.138	1.7.139	1.66.139	1.125.139	1.184.139	1.243.139	1.55.140	1.114.140
1.196.138	1.8.139	1.67.139	1.126.139	1.185.139	1.244.139	1.56.140	1.115.140
1.197.138	1.9.139	1.68.139	1.127.139	1.186.139	1.245.139	1.57.140	1.116.140
1.198.138	1.10.139	1.69.139	1.128.139	1.187.139	1.246.139	1.58.140	1.117.140
1.199.138	1.11.139	1.70.139	1.129.139	1.188.139	1.247.139	1.59.140	1.118.140
1.200.138	1.12.139	1.71.139	1.130.139	1.189.139	1.1.140	1.60.140	1.119.140
1.201.138	1.13.139	1.72.139	1.131.139	1.190.139	1.2.140	1.61.140	1.120.140
1.202.138	1.14.139	1.73.139	1.132.139	1.191.139	1.3.140	1.62.140	1.121.140
1.203.138	1.15.139	1.74.139	1.133.139	1.192.139	1.4.140	1.63.140	1.122.140

				1.112.141	1.171.141	1.230.141	1.42.142
1.124.140	1.183.140	1.242.140	1.54.141	1.113.141	1.172.141	1.231.141	1.43.142
1.125.140	1.184.140	1.243.140	1.55.141	1.114.141	1.173.141	1.232.141	1.44.142
1.126.140	1.185.140	1.244.140	1.56.141	1.115.141	1.174.141	1.233.141	1.45.142
1.127.140	1.186.140	1.245.140	1.57.141	1.116.141	1.175.141	1.234.141	1.46.142
1.128.140	1.187.140	1.246.140	1.58.141	1.117.141	1.176.141	1.235.141	1.47.142
1.129.140	1.188.140	1.247.140	1.59.141	1.118.141	1.177.141	1.236.141	1.48.142
1.130.140	1.189.140	1.1.141	1.60.141	1.119.141	1.178.141	1.237.141	1.49.142
1.131.140	1.190.140	1.2.141	1.61.141	1.120.141	1.179.141	1.238.141	1.50.142
1.132.140	1.191.140	1.3.141	1.62.141	1.121.141	1.180.141	1.239.141	1.51.142
1.133.140	1.192.140	1.4.141	1.63.141	1.122.141	1.181.141	1.240.141	1.52.142
1.134.140	1.193.140	1.5.141	1.64.141	1.123.141	1.182.141	1.241.141	1.53.142
1.135.140	1.194.140	1.6.141	1.65.141	1.124.141	1.183.141	1.242.141	1.54.142
1.136.140	1.195.140	1.7.141	1.66.141	1.125.141	1.184.141	1.243.141	1.55.142
1.137.140	1.196.140	1.8.141	1.67.141	1.126.141	1.185.141	1.244.141	1.56.142
1.138.140	1.197.140	1.9.141	1.68.141	1.127.141	1.186.141	1.245.141	1.57.142
1.139.140	1.198.140	1.10.141	1.69.141	1.128.141	1.187.141	1.246.141	1.58.142
1.140.140	1.199.140	1.11.141	1.70.141	1.129.141	1.188.141	1.247.141	1.59.142
1.141.140	1.200.140	1.12.141	1.71.141	1.130.141	1.189.141	1.1.142	1.60.142
1.142.140	1.201.140	1.13.141	1.72.141	1.131.141	1.190.141	1.2.142	1.61.142
1.143.140	1.202.140	1.14.141	1.73.141	1.132.141	1.191.141	1.3.142	1.62.142
1.144.140	1.203.140	1.15.141	1.74.141	1.133.141	1.192.141	1.4.142	1.63.142
1.145.140	1.204.140	1.16.141	1.75.141	1.134.141	1.193.141	1.5.142	1.64.142
1.146.140	1.205.140	1.17.141	1.76.141	1.135.141	1.194.141	1.6.142	1.65.142
1.147.140	1.206.140	1.18.141	1.77.141	1.136.141	1.195.141	1.7.142	1.66.142
1.148.140	1.207.140	1.19.141	1.78.141	1.137.141	1.196.141	1.8.142	1.67.142
1.149.140	1.208.140	1.20.141	1.79.141	1.138.141	1.197.141	1.9.142	1.68.142
1.150.140	1.209.140	1.21.141	1.80.141	1.139.141	1.198.141	1.10.142	1.69.142
1.151.140	1.210.140	1.22.141	1.81.141	1.140.141	1.199.141	1.11.142	1.70.142
1.152.140	1.211.140	1.23.141	1.82.141	1.141.141	1.200.141	1.12.142	1.71.142
1.153.140	1.212.140	1.24.141	1.83.141	1.142.141	1.201.141	1.13.142	1.72.142
1.154.140	1.213.140	1.25.141	1.84.141	1.143.141	1.202.141	1.14.142	1.73.142
1.155.140	1.214.140	1.26.141	1.85.141	1.144.141	1.203.141	1.15.142	1.74.142
1.156.140	1.215.140	1.27.141	1.86.141	1.145.141	1.204.141	1.16.142	1.75.142
1.157.140	1.216.140	1.28.141	1.87.141	1.146.141	1.205.141	1.17.142	1.76.142
1.158.140	1.217.140	1.29.141	1.88.141	1.147.141	1.206.141	1.18.142	1.77.142
1.159.140	1.218.140	1.30.141	1.89.141	1.148.141	1.207.141	1.19.142	1.78.142
1.160.140	1.219.140	1.31.141	1.90.141	1.149.141	1.208.141	1.20.142	1.79.142
1.161.140	1.220.140	1.32.141	1.91.141	1.150.141	1.209.141	1.21.142	1.80.142
1.162.140	1.221.140	1.33.141	1.92.141	1.151.141	1.210.141	1.22.142	1.81.142
1.163.140	1.222.140	1.34.141	1.93.141	1.152.141	1.211.141	1.23.142	1.82.142
1.164.140	1.223.140	1.35.141	1.94.141	1.153.141	1.212.141	1.24.142	1.83.142
1.165.140	1.224.140	1.36.141	1.95.141	1.154.141	1.213.141	1.25.142	1.84.142
1.166.140	1.225.140	1.37.141	1.96.141	1.155.141	1.214.141	1.26.142	1.85.142
1.167.140	1.226.140	1.38.141	1.97.141	1.156.141	1.215.141	1.27.142	1.86.142
1.168.140	1.227.140	1.39.141	1.98.141	1.157.141	1.216.141	1.28.142	1.87.142
1.169.140	1.228.140	1.40.141	1.99.141	1.158.141	1.217.141	1.29.142	1.88.142
1.170.140	1.229.140	1.41.141	1.100.141	1.159.141	1.218.141	1.30.142	1.89.142
1.171.140	1.230.140	1.42.141	1.101.141	1.160.141	1.219.141	1.31.142	1.90.142
1.172.140	1.231.140	1.43.141	1.102.141	1.161.141	1.220.141	1.32.142	1.91.142
1.173.140	1.232.140	1.44.141	1.103.141	1.162.141	1.221.141	1.33.142	1.92.142
1.174.140	1.233.140	1.45.141	1.104.141	1.163.141	1.222.141	1.34.142	1.93.142
1.175.140	1.234.140	1.46.141	1.105.141	1.164.141	1.223.141	1.35.142	1.94.142
1.176.140	1.235.140	1.47.141	1.106.141	1.165.141	1.224.141	1.36.142	1.95.142
1.177.140	1.236.140	1.48.141	1.107.141	1.166.141	1.225.141	1.37.142	1.96.142
1.178.140	1.237.140	1.49.141	1.108.141	1.167.141	1.226.141	1.38.142	1.97.142
1.179.140	1.238.140	1.50.141	1.109.141	1.168.141	1.227.141	1.39.142	1.98.142
1.180.140	1.239.140	1.51.141	1.110.141	1.169.141	1.228.141	1.40.142	1.99.142
1.181.140	1.240.140	1.52.141	1.111.141	1.170.141	1.229.141	1.41.142	1.100.142

1.102.142	1.161.142	1.220.142	1.32.143	1.90.143	1.149.143	1.208.143	1.20.144
1.103.142	1.162.142	1.221.142	1.33.143	1.91.143	1.150.143	1.209.143	1.21.144
1.104.142	1.163.142	1.222.142	1.34.143	1.92.143	1.151.143	1.210.143	1.22.144
1.105.142	1.164.142	1.223.142	1.35.143	1.93.143	1.152.143	1.211.143	1.23.144
1.106.142	1.165.142	1.224.142	1.36.143	1.94.143	1.153.143	1.212.143	1.24.144
1.107.142	1.166.142	1.225.142	1.37.143	1.95.143	1.154.143	1.213.143	1.25.144
1.108.142	1.167.142	1.226.142	1.38.143	1.96.143	1.155.143	1.214.143	1.26.144
1.109.142	1.168.142	1.227.142	1.39.143	1.97.143	1.156.143	1.215.143	1.27.144
1.110.142	1.169.142	1.228.142	1.40.143	1.98.143	1.157.143	1.216.143	1.28.144
1.111.142	1.170.142	1.229.142	1.41.143	1.99.143	1.158.143	1.217.143	1.29.144
1.112.142	1.171.142	1.230.142	1.42.143	1.100.143	1.159.143	1.218.143	1.30.144
1.113.142	1.172.142	1.231.142	1.43.143	1.101.143	1.160.143	1.219.143	1.31.144
1.114.142	1.173.142	1.232.142	1.44.143	1.102.143	1.161.143	1.220.143	1.32.144
1.115.142	1.174.142	1.233.142	1.45.143	1.103.143	1.162.143	1.221.143	1.33.144
1.116.142	1.175.142	1.234.142	1.46.143	1.104.143	1.163.143	1.222.143	1.34.144
1.117.142	1.176.142	1.235.142	1.47.143	1.105.143	1.164.143	1.223.143	1.35.144
1.118.142	1.177.142	1.236.142	1.48.143	1.106.143	1.165.143	1.224.143	1.36.144
1.119.142	1.178.142	1.237.142	1.49.143	1.107.143	1.166.143	1.225.143	1.37.144
1.120.142	1.179.142	1.238.142	1.50.143	1.108.143	1.167.143	1.226.143	1.38.144
1.121.142	1.180.142	1.239.142	1.51.143	1.109.143	1.168.143	1.227.143	1.39.144
1.122.142	1.181.142	1.240.142	1.52.143	1.110.143	1.169.143	1.228.143	1.40.144
1.123.142	1.182.142	1.241.142	1.53.143	1.111.143	1.170.143	1.229.143	1.41.144
1.124.142	1.183.142	1.242.142	1.54.143	1.112.143	1.171.143	1.230.143	1.42.144
1.125.142	1.184.142	1.243.142	1.55.143	1.113.143	1.172.143	1.231.143	1.43.144
1.126.142	1.185.142	1.244.142	1.56.143	1.114.143	1.173.143	1.232.143	1.44.144
1.127.142	1.186.142	1.245.142	1.57.143	1.115.143	1.174.143	1.233.143	1.45.144
1.128.142	1.187.142	1.246.142	1.58.143	1.116.143	1.175.143	1.234.143	1.46.144
1.129.142	1.188.142	1.247.142	1.59.143	1.117.143	1.176.143	1.235.143	1.47.144
1.130.142	1.189.142	1.1.143	1.60.143	1.118.143	1.177.143	1.236.143	1.48.144
1.131.142	1.190.142	1.2.143	1.61.143	1.119.143	1.178.143	1.237.143	1.49.144
1.132.142	1.191.142	1.3.143	1.62.143	1.120.143	1.179.143	1.238.143	1.50.144
1.133.142	1.192.142	1.4.143	1.63.143	1.121.143	1.180.143	1.239.143	1.51.144
1.134.142	1.193.142	1.5.143	1.64.143	1.122.143	1.181.143	1.240.143	1.52.144
1.135.142	1.194.142	1.6.143	1.65.143	1.123.143	1.182.143	1.241.143	1.53.144
1.136.142	1.195.142	1.7.143	1.66.143	1.124.143	1.183.143	1.242.143	1.54.144
1.137.142	1.196.142	1.8.143	1.67.143	1.125.143	1.184.143	1.243.143	1.55.144
1.138.142	1.197.142	1.9.143	1.68.143	1.126.143	1.185.143	1.244.143	1.56.144
1.139.142	1.198.142	1.10.143	1.69.143	1.127.143	1.186.143	1.245.143	1.57.144
1.140.142	1.199.142	1.11.143	1.70.143	1.128.143	1.187.143	1.246.143	1.58.144
1.141.142	1.200.142	1.12.143	1.71.143	1.129.143	1.188.143	1.247.143	1.59.144
1.142.142	1.201.142	1.13.143	1.72.143	1.130.143	1.189.143	1.1.144	1.60.144
1.143.142	1.202.142	1.14.143	1.73.143	1.131.143	1.190.143	1.2.144	1.61.144
1.144.142	1.203.142	1.15.143	1.74.143	1.132.143	1.191.143	1.3.144	1.62.144
1.145.142	1.204.142	1.16.143	1.75.143	1.133.143	1.192.143	1.4.144	1.63.144
1.146.142	1.205.142	1.17.143	1.76.143	1.134.143	1.193.143	1.5.144	1.64.144
1.147.142	1.206.142	1.18.143	1.77.143	1.135.143	1.194.143	1.6.144	1.65.144
1.148.142	1.207.142	1.19.143	1.78.143	1.136.143	1.195.143	1.7.144	1.66.144
1.149.142	1.208.142	1.20.143	1.79.143	1.137.143	1.196.143	1.8.144	1.67.144
1.150.142	1.209.142	1.21.143	1.80.143	1.138.143	1.197.143	1.9.144	1.68.144
1.151.142	1.210.142	1.22.143	1.81.143	1.139.143	1.198.143	1.10.144	1.69.144
1.152.142	1.211.142	1.23.143	1.82.143	1.140.143	1.199.143	1.11.144	1.70.144
1.153.142	1.212.142	1.24.143	1.83.143	1.141.143	1.200.143	1.12.144	1.71.144
1.154.142	1.213.142	1.25.143	1.84.143	1.142.143	1.201.143	1.13.144	1.72.144
1.155.142	1.214.142	1.26.143	1.85.143	1.143.143	1.202.143	1.14.144	1.73.144
1.156.142	1.215.142	1.27.143	1.86.143	1.144.143	1.203.143	1.15.144	1.74.144
1.157.142	1.216.142	1.28.143	1.87.143	1.145.143	1.204.143	1.16.144	1.75.144
1.158.142	1.217.142	1.29.143	1.88.143	1.146.143	1.205.143	1.17.144	1.76.144
1.159.142	1.218.142	1.30.143	1.89.143	1.147.143	1.206.143	1.18.144	1.77.144
				1.148.143	1.207.143	1.19.144	1.78.144

1.77.144	1.158.144	1.177.144	1.7.145	1.68.145	1.127.145	1.186.145	1.245.145
1.80.144	1.139.144	1.198.144	1.10.145	1.69.145	1.128.145	1.187.145	1.246.145
1.81.144	1.140.144	1.199.144	1.11.145	1.70.145	1.129.145	1.188.145	1.247.145
1.82.144	1.141.144	1.200.144	1.12.145	1.71.145	1.130.145	1.189.145	1.1.146
1.83.144	1.142.144	1.201.144	1.13.145	1.72.145	1.131.145	1.190.145	1.2.146
1.84.144	1.143.144	1.202.144	1.14.145	1.73.145	1.132.145	1.191.145	1.3.146
1.85.144	1.144.144	1.203.144	1.15.145	1.74.145	1.133.145	1.192.145	1.4.146
1.86.144	1.145.144	1.204.144	1.16.145	1.75.145	1.134.145	1.193.145	1.5.146
1.87.144	1.146.144	1.205.144	1.17.145	1.76.145	1.135.145	1.194.145	1.6.146
1.88.144	1.147.144	1.206.144	1.18.145	1.77.145	1.136.145	1.195.145	1.7.146
1.89.144	1.148.144	1.207.144	1.19.145	1.78.145	1.137.145	1.196.145	1.8.146
1.90.144	1.149.144	1.208.144	1.20.145	1.79.145	1.138.145	1.197.145	1.9.146
1.91.144	1.150.144	1.209.144	1.21.145	1.80.145	1.139.145	1.198.145	1.10.146
1.92.144	1.151.144	1.210.144	1.22.145	1.81.145	1.140.145	1.199.145	1.11.146
1.93.144	1.152.144	1.211.144	1.23.145	1.82.145	1.141.145	1.200.145	1.12.146
1.94.144	1.153.144	1.212.144	1.24.145	1.83.145	1.142.145	1.201.145	1.13.146
1.95.144	1.154.144	1.213.144	1.25.145	1.84.145	1.143.145	1.202.145	1.14.146
1.96.144	1.155.144	1.214.144	1.26.145	1.85.145	1.144.145	1.203.145	1.15.146
1.97.144	1.156.144	1.215.144	1.27.145	1.86.145	1.145.145	1.204.145	1.16.146
1.98.144	1.157.144	1.216.144	1.28.145	1.87.145	1.146.145	1.205.145	1.17.146
1.99.144	1.158.144	1.217.144	1.29.145	1.88.145	1.147.145	1.206.145	1.18.146
1.100.144	1.159.144	1.218.144	1.30.145	1.89.145	1.148.145	1.207.145	1.19.146
1.101.144	1.160.144	1.219.144	1.31.145	1.90.145	1.149.145	1.208.145	1.20.146
1.102.144	1.161.144	1.220.144	1.32.145	1.91.145	1.150.145	1.209.145	1.21.146
1.103.144	1.162.144	1.221.144	1.33.145	1.92.145	1.151.145	1.210.145	1.22.146
1.104.144	1.163.144	1.222.144	1.34.145	1.93.145	1.152.145	1.211.145	1.23.146
1.105.144	1.164.144	1.223.144	1.35.145	1.94.145	1.153.145	1.212.145	1.24.146
1.106.144	1.165.144	1.224.144	1.36.145	1.95.145	1.154.145	1.213.145	1.25.146
1.107.144	1.166.144	1.225.144	1.37.145	1.96.145	1.155.145	1.214.145	1.26.146
1.108.144	1.167.144	1.226.144	1.38.145	1.97.145	1.156.145	1.215.145	1.27.146
1.109.144	1.168.144	1.227.144	1.39.145	1.98.145	1.157.145	1.216.145	1.28.146
1.110.144	1.169.144	1.228.144	1.40.145	1.99.145	1.158.145	1.217.145	1.29.146
1.111.144	1.170.144	1.229.144	1.41.145	1.100.145	1.159.145	1.218.145	1.30.146
1.112.144	1.171.144	1.230.144	1.42.145	1.101.145	1.160.145	1.219.145	1.31.146
1.113.144	1.172.144	1.231.144	1.43.145	1.102.145	1.161.145	1.220.145	1.32.146
1.114.144	1.173.144	1.232.144	1.44.145	1.103.145	1.162.145	1.221.145	1.33.146
1.115.144	1.174.144	1.233.144	1.45.145	1.104.145	1.163.145	1.222.145	1.34.146
1.116.144	1.175.144	1.234.144	1.46.145	1.105.145	1.164.145	1.223.145	1.35.146
1.117.144	1.176.144	1.235.144	1.47.145	1.106.145	1.165.145	1.224.145	1.36.146
1.118.144	1.177.144	1.236.144	1.48.145	1.107.145	1.166.145	1.225.145	1.37.146
1.119.144	1.178.144	1.237.144	1.49.145	1.108.145	1.167.145	1.226.145	1.38.146
1.120.144	1.179.144	1.238.144	1.50.145	1.109.145	1.168.145	1.227.145	1.39.146
1.121.144	1.180.144	1.239.144	1.51.145	1.110.145	1.169.145	1.228.145	1.40.146
1.122.144	1.181.144	1.240.144	1.52.145	1.111.145	1.170.145	1.229.145	1.41.146
1.123.144	1.182.144	1.241.144	1.53.145	1.112.145	1.171.145	1.230.145	1.42.146
1.124.144	1.183.144	1.242.144	1.54.145	1.113.145	1.172.145	1.231.145	1.43.146
1.125.144	1.184.144	1.243.144	1.55.145	1.114.145	1.173.145	1.232.145	1.44.146
1.126.144	1.185.144	1.244.144	1.56.145	1.115.145	1.174.145	1.233.145	1.45.146
1.127.144	1.186.144	1.245.144	1.57.145	1.116.145	1.175.145	1.234.145	1.46.146
1.128.144	1.187.144	1.246.144	1.58.145	1.117.145	1.176.145	1.235.145	1.47.146
1.129.144	1.188.144	1.247.144	1.59.145	1.118.145	1.177.145	1.236.145	1.48.146
1.130.144	1.189.144	1.1.145	1.60.145	1.119.145	1.178.145	1.237.145	1.49.146
1.131.144	1.190.144	1.2.145	1.61.145	1.120.145	1.179.145	1.238.145	1.50.146
1.132.144	1.191.144	1.3.145	1.62.145	1.121.145	1.180.145	1.239.145	1.51.146
1.133.144	1.192.144	1.4.145	1.63.145	1.122.145	1.181.145	1.240.145	1.52.146
1.134.144	1.193.144	1.5.145	1.64.145	1.123.145	1.182.145	1.241.145	1.53.146
1.135.144	1.194.144	1.6.145	1.65.145	1.124.145	1.183.145	1.242.145	1.54.146
1.136.144	1.195.144	1.7.145	1.66.145	1.125.145	1.184.145	1.243.145	1.55.146
1.137.144	1.196.144	1.8.145	1.67.145	1.126.145	1.185.145	1.244.145	1.56.146

1.57.146	1.110.146	1.175.146	1.237.146	1.46.147	1.105.147	1.164.147	1.223.147
1.58.146	1.117.146	1.176.146	1.235.146	1.47.147	1.106.147	1.165.147	1.224.147
1.59.146	1.118.146	1.177.146	1.236.146	1.48.147	1.107.147	1.166.147	1.225.147
1.60.146	1.119.146	1.178.146	1.237.146	1.49.147	1.108.147	1.167.147	1.226.147
1.61.146	1.120.146	1.179.146	1.238.146	1.50.147	1.109.147	1.168.147	1.227.147
1.62.146	1.121.146	1.180.146	1.239.146	1.51.147	1.110.147	1.169.147	1.228.147
1.63.146	1.122.146	1.181.146	1.240.146	1.52.147	1.111.147	1.170.147	1.229.147
1.64.146	1.123.146	1.182.146	1.241.146	1.53.147	1.112.147	1.171.147	1.230.147
1.65.146	1.124.146	1.183.146	1.242.146	1.54.147	1.113.147	1.172.147	1.231.147
1.66.146	1.125.146	1.184.146	1.243.146	1.55.147	1.114.147	1.173.147	1.232.147
1.67.146	1.126.146	1.185.146	1.244.146	1.56.147	1.115.147	1.174.147	1.233.147
1.68.146	1.127.146	1.186.146	1.245.146	1.57.147	1.116.147	1.175.147	1.234.147
1.69.146	1.128.146	1.187.146	1.246.146	1.58.147	1.117.147	1.176.147	1.235.147
1.70.146	1.129.146	1.188.146	1.247.146	1.59.147	1.118.147	1.177.147	1.236.147
1.71.146	1.130.146	1.189.146	1.1.147	1.60.147	1.119.147	1.178.147	1.237.147
1.72.146	1.131.146	1.190.146	1.2.147	1.61.147	1.120.147	1.179.147	1.238.147
1.73.146	1.132.146	1.191.146	1.3.147	1.62.147	1.121.147	1.180.147	1.239.147
1.74.146	1.133.146	1.192.146	1.4.147	1.63.147	1.122.147	1.181.147	1.240.147
1.75.146	1.134.146	1.193.146	1.5.147	1.64.147	1.123.147	1.182.147	1.241.147
1.76.146	1.135.146	1.194.146	1.6.147	1.65.147	1.124.147	1.183.147	1.242.147
1.77.146	1.136.146	1.195.146	1.7.147	1.66.147	1.125.147	1.184.147	1.243.147
1.78.146	1.137.146	1.196.146	1.8.147	1.67.147	1.126.147	1.185.147	1.244.147
1.79.146	1.138.146	1.197.146	1.9.147	1.68.147	1.127.147	1.186.147	1.245.147
1.80.146	1.139.146	1.198.146	1.10.147	1.69.147	1.128.147	1.187.147	1.246.147
1.81.146	1.140.146	1.199.146	1.11.147	1.70.147	1.129.147	1.188.147	1.247.147
1.82.146	1.141.146	1.200.146	1.12.147	1.71.147	1.130.147	1.189.147	1.1.148
1.83.146	1.142.146	1.201.146	1.13.147	1.72.147	1.131.147	1.190.147	1.2.148
1.84.146	1.143.146	1.202.146	1.14.147	1.73.147	1.132.147	1.191.147	1.3.148
1.85.146	1.144.146	1.203.146	1.15.147	1.74.147	1.133.147	1.192.147	1.4.148
1.86.146	1.145.146	1.204.146	1.16.147	1.75.147	1.134.147	1.193.147	1.5.148
1.87.146	1.146.146	1.205.146	1.17.147	1.76.147	1.135.147	1.194.147	1.6.148
1.88.146	1.147.146	1.206.146	1.18.147	1.77.147	1.136.147	1.195.147	1.7.148
1.89.146	1.148.146	1.207.146	1.19.147	1.78.147	1.137.147	1.196.147	1.8.148
1.90.146	1.149.146	1.208.146	1.20.147	1.79.147	1.138.147	1.197.147	1.9.148
1.91.146	1.150.146	1.209.146	1.21.147	1.80.147	1.139.147	1.198.147	1.10.148
1.92.146	1.151.146	1.210.146	1.22.147	1.81.147	1.140.147	1.199.147	1.11.148
1.93.146	1.152.146	1.211.146	1.23.147	1.82.147	1.141.147	1.200.147	1.12.148
1.94.146	1.153.146	1.212.146	1.24.147	1.83.147	1.142.147	1.201.147	1.13.148
1.95.146	1.154.146	1.213.146	1.25.147	1.84.147	1.143.147	1.202.147	1.14.148
1.96.146	1.155.146	1.214.146	1.26.147	1.85.147	1.144.147	1.203.147	1.15.148
1.97.146	1.156.146	1.215.146	1.27.147	1.86.147	1.145.147	1.204.147	1.16.148
1.98.146	1.157.146	1.216.146	1.28.147	1.87.147	1.146.147	1.205.147	1.17.148
1.99.146	1.158.146	1.217.146	1.29.147	1.88.147	1.147.147	1.206.147	1.18.148
1.100.146	1.159.146	1.218.146	1.30.147	1.89.147	1.148.147	1.207.147	1.19.148
1.101.146	1.160.146	1.219.146	1.31.147	1.90.147	1.149.147	1.208.147	1.20.148
1.102.146	1.161.146	1.220.146	1.32.147	1.91.147	1.150.147	1.209.147	1.21.148
1.103.146	1.162.146	1.221.146	1.33.147	1.92.147	1.151.147	1.210.147	1.22.148
1.104.146	1.163.146	1.222.146	1.34.147	1.93.147	1.152.147	1.211.147	1.23.148
1.105.146	1.164.146	1.223.146	1.35.147	1.94.147	1.153.147	1.212.147	1.24.148
1.106.146	1.165.146	1.224.146	1.36.147	1.95.147	1.154.147	1.213.147	1.25.148
1.107.146	1.166.146	1.225.146	1.37.147	1.96.147	1.155.147	1.214.147	1.26.148
1.108.146	1.167.146	1.226.146	1.38.147	1.97.147	1.156.147	1.215.147	1.27.148
1.109.146	1.168.146	1.227.146	1.39.147	1.98.147	1.157.147	1.216.147	1.28.148
1.110.146	1.169.146	1.228.146	1.40.147	1.99.147	1.158.147	1.217.147	1.29.148
1.111.146	1.170.146	1.229.146	1.41.147	1.100.147	1.159.147	1.218.147	1.30.148
1.112.146	1.171.146	1.230.146	1.42.147	1.101.147	1.160.147	1.219.147	1.31.148
1.113.146	1.172.146	1.231.146	1.43.147	1.102.147	1.161.147	1.220.147	1.32.148
1.114.146	1.173.146	1.232.146	1.44.147	1.103.147	1.162.147	1.221.147	1.33.148
1.115.146	1.174.146	1.233.146	1.45.147	1.104.147	1.163.147	1.222.147	1.34.148

				1.24.149	1.83.149	1.142.149	1.201.149
1.36.148	1.95.148	1.154.148	1.213.148	1.25.149	1.84.149	1.143.149	1.202.149
1.37.148	1.96.148	1.155.148	1.214.148	1.26.149	1.85.149	1.144.149	1.203.149
1.38.148	1.97.148	1.156.148	1.215.148	1.27.149	1.86.149	1.145.149	1.204.149
1.39.148	1.98.148	1.157.148	1.216.148	1.28.149	1.87.149	1.146.149	1.205.149
1.40.148	1.99.148	1.158.148	1.217.148	1.29.149	1.88.149	1.147.149	1.206.149
1.41.148	1.100.148	1.159.148	1.218.148	1.30.149	1.89.149	1.148.149	1.207.149
1.42.148	1.101.148	1.160.148	1.219.148	1.31.149	1.90.149	1.149.149	1.208.149
1.43.148	1.102.148	1.161.148	1.220.148	1.32.149	1.91.149	1.150.149	1.209.149
1.44.148	1.103.148	1.162.148	1.221.148	1.33.149	1.92.149	1.151.149	1.210.149
1.45.148	1.104.148	1.163.148	1.222.148	1.34.149	1.93.149	1.152.149	1.211.149
1.46.148	1.105.148	1.164.148	1.223.148	1.35.149	1.94.149	1.153.149	1.212.149
1.47.148	1.106.148	1.165.148	1.224.148	1.36.149	1.95.149	1.154.149	1.213.149
1.48.148	1.107.148	1.166.148	1.225.148	1.37.149	1.96.149	1.155.149	1.214.149
1.49.148	1.108.148	1.167.148	1.226.148	1.38.149	1.97.149	1.156.149	1.215.149
1.50.148	1.109.148	1.168.148	1.227.148	1.39.149	1.98.149	1.157.149	1.216.149
1.51.148	1.110.148	1.169.148	1.228.148	1.40.149	1.99.149	1.158.149	1.217.149
1.52.148	1.111.148	1.170.148	1.229.148	1.41.149	1.100.149	1.159.149	1.218.149
1.53.148	1.112.148	1.171.148	1.230.148	1.42.149	1.101.149	1.160.149	1.219.149
1.54.148	1.113.148	1.172.148	1.231.148	1.43.149	1.102.149	1.161.149	1.220.149
1.55.148	1.114.148	1.173.148	1.232.148	1.44.149	1.103.149	1.162.149	1.221.149
1.56.148	1.115.148	1.174.148	1.233.148	1.45.149	1.104.149	1.163.149	1.222.149
1.57.148	1.116.148	1.175.148	1.234.148	1.46.149	1.105.149	1.164.149	1.223.149
1.58.148	1.117.148	1.176.148	1.235.148	1.47.149	1.106.149	1.165.149	1.224.149
1.59.148	1.118.148	1.177.148	1.236.148	1.48.149	1.107.149	1.166.149	1.225.149
1.60.148	1.119.148	1.178.148	1.237.148	1.49.149	1.108.149	1.167.149	1.226.149
1.61.148	1.120.148	1.179.148	1.238.148	1.50.149	1.109.149	1.168.149	1.227.149
1.62.148	1.121.148	1.180.148	1.239.148	1.51.149	1.110.149	1.169.149	1.228.149
1.63.148	1.122.148	1.181.148	1.240.148	1.52.149	1.111.149	1.170.149	1.229.149
1.64.148	1.123.148	1.182.148	1.241.148	1.53.149	1.112.149	1.171.149	1.230.149
1.65.148	1.124.148	1.183.148	1.242.148	1.54.149	1.113.149	1.172.149	1.231.149
1.66.148	1.125.148	1.184.148	1.243.148	1.55.149	1.114.149	1.173.149	1.232.149
1.67.148	1.126.148	1.185.148	1.244.148	1.56.149	1.115.149	1.174.149	1.233.149
1.68.148	1.127.148	1.186.148	1.245.148	1.57.149	1.116.149	1.175.149	1.234.149
1.69.148	1.128.148	1.187.148	1.246.148	1.58.149	1.117.149	1.176.149	1.235.149
1.70.148	1.129.148	1.188.148	1.247.148	1.59.149	1.118.149	1.177.149	1.236.149
1.71.148	1.130.148	1.189.148	1.1.149	1.60.149	1.119.149	1.178.149	1.237.149
1.72.148	1.131.148	1.190.148	1.2.149	1.61.149	1.120.149	1.179.149	1.238.149
1.73.148	1.132.148	1.191.148	1.3.149	1.62.149	1.121.149	1.180.149	1.239.149
1.74.148	1.133.148	1.192.148	1.4.149	1.63.149	1.122.149	1.181.149	1.240.149
1.75.148	1.134.148	1.193.148	1.5.149	1.64.149	1.123.149	1.182.149	1.241.149
1.76.148	1.135.148	1.194.148	1.6.149	1.65.149	1.124.149	1.183.149	1.242.149
1.77.148	1.136.148	1.195.148	1.7.149	1.66.149	1.125.149	1.184.149	1.243.149
1.78.148	1.137.148	1.196.148	1.8.149	1.67.149	1.126.149	1.185.149	1.244.149
1.79.148	1.138.148	1.197.148	1.9.149	1.68.149	1.127.149	1.186.149	1.245.149
1.80.148	1.139.148	1.198.148	1.10.149	1.69.149	1.128.149	1.187.149	1.246.149
1.81.148	1.140.148	1.199.148	1.11.149	1.70.149	1.129.149	1.188.149	1.247.149
1.82.148	1.141.148	1.200.148	1.12.149	1.71.149	1.130.149	1.189.149	1.1.150
1.83.148	1.142.148	1.201.148	1.13.149	1.72.149	1.131.149	1.190.149	1.2.150
1.84.148	1.143.148	1.202.148	1.14.149	1.73.149	1.132.149	1.191.149	1.3.150
1.85.148	1.144.148	1.203.148	1.15.149	1.74.149	1.133.149	1.192.149	1.4.150
1.86.148	1.145.148	1.204.148	1.16.149	1.75.149	1.134.149	1.193.149	1.5.150
1.87.148	1.146.148	1.205.148	1.17.149	1.76.149	1.135.149	1.194.149	1.6.150
1.88.148	1.147.148	1.206.148	1.18.149	1.77.149	1.136.149	1.195.149	1.7.150
1.89.148	1.148.148	1.207.148	1.19.149	1.78.149	1.137.149	1.196.149	1.8.150
1.90.148	1.149.148	1.208.148	1.20.149	1.79.149	1.138.149	1.197.149	1.9.150
1.91.148	1.150.148	1.209.148	1.21.149	1.80.149	1.139.149	1.198.149	1.10.150
1.92.148	1.151.148	1.210.148	1.22.149	1.81.149	1.140.149	1.199.149	1.11.150
1.93.148	1.152.148	1.211.148	1.23.149	1.82.149	1.141.149	1.200.149	1.12.150



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1.13.150	1.72.150	1.131.150	1.190.150	1.2.151	1.61.151	1.120.151	1.179.151
1.14.150	1.73.150	1.132.150	1.191.150	1.3.151	1.62.151	1.121.151	1.180.151
1.15.150	1.74.150	1.133.150	1.192.150	1.4.151	1.63.151	1.122.151	1.181.151
1.16.150	1.75.150	1.134.150	1.193.150	1.5.151	1.64.151	1.123.151	1.182.151
1.17.150	1.76.150	1.135.150	1.194.150	1.6.151	1.65.151	1.124.151	1.183.151
1.18.150	1.77.150	1.136.150	1.195.150	1.7.151	1.66.151	1.125.151	1.184.151
1.19.150	1.78.150	1.137.150	1.196.150	1.8.151	1.67.151	1.126.151	1.185.151
1.20.150	1.79.150	1.138.150	1.197.150	1.9.151	1.68.151	1.127.151	1.186.151
1.21.150	1.80.150	1.139.150	1.198.150	1.10.151	1.69.151	1.128.151	1.187.151
1.22.150	1.81.150	1.140.150	1.199.150	1.11.151	1.70.151	1.129.151	1.188.151
1.23.150	1.82.150	1.141.150	1.200.150	1.12.151	1.71.151	1.130.151	1.189.151
1.24.150	1.83.150	1.142.150	1.201.150	1.13.151	1.72.151	1.131.151	1.190.151
1.25.150	1.84.150	1.143.150	1.202.150	1.14.151	1.73.151	1.132.151	1.191.151
1.26.150	1.85.150	1.144.150	1.203.150	1.15.151	1.74.151	1.133.151	1.192.151
1.27.150	1.86.150	1.145.150	1.204.150	1.16.151	1.75.151	1.134.151	1.193.151
1.28.150	1.87.150	1.146.150	1.205.150	1.17.151	1.76.151	1.135.151	1.194.151
1.29.150	1.88.150	1.147.150	1.206.150	1.18.151	1.77.151	1.136.151	1.195.151
1.30.150	1.89.150	1.148.150	1.207.150	1.19.151	1.78.151	1.137.151	1.196.151
1.31.150	1.90.150	1.149.150	1.208.150	1.20.151	1.79.151	1.138.151	1.197.151
1.32.150	1.91.150	1.150.150	1.209.150	1.21.151	1.80.151	1.139.151	1.198.151
1.33.150	1.92.150	1.151.150	1.210.150	1.22.151	1.81.151	1.140.151	1.199.151
1.34.150	1.93.150	1.152.150	1.211.150	1.23.151	1.82.151	1.141.151	1.200.151
1.35.150	1.94.150	1.153.150	1.212.150	1.24.151	1.83.151	1.142.151	1.201.151
1.36.150	1.95.150	1.154.150	1.213.150	1.25.151	1.84.151	1.143.151	1.202.151
1.37.150	1.96.150	1.155.150	1.214.150	1.26.151	1.85.151	1.144.151	1.203.151
1.38.150	1.97.150	1.156.150	1.215.150	1.27.151	1.86.151	1.145.151	1.204.151
1.39.150	1.98.150	1.157.150	1.216.150	1.28.151	1.87.151	1.146.151	1.205.151
1.40.150	1.99.150	1.158.150	1.217.150	1.29.151	1.88.151	1.147.151	1.206.151
1.41.150	1.100.150	1.159.150	1.218.150	1.30.151	1.89.151	1.148.151	1.207.151
1.42.150	1.101.150	1.160.150	1.219.150	1.31.151	1.90.151	1.149.151	1.208.151
1.43.150	1.102.150	1.161.150	1.220.150	1.32.151	1.91.151	1.150.151	1.209.151
1.44.150	1.103.150	1.162.150	1.221.150	1.33.151	1.92.151	1.151.151	1.210.151
1.45.150	1.104.150	1.163.150	1.222.150	1.34.151	1.93.151	1.152.151	1.211.151
1.46.150	1.105.150	1.164.150	1.223.150	1.35.151	1.94.151	1.153.151	1.212.151
1.47.150	1.106.150	1.165.150	1.224.150	1.36.151	1.95.151	1.154.151	1.213.151
1.48.150	1.107.150	1.166.150	1.225.150	1.37.151	1.96.151	1.155.151	1.214.151
1.49.150	1.108.150	1.167.150	1.226.150	1.38.151	1.97.151	1.156.151	1.215.151
1.50.150	1.109.150	1.168.150	1.227.150	1.39.151	1.98.151	1.157.151	1.216.151
1.51.150	1.110.150	1.169.150	1.228.150	1.40.151	1.99.151	1.158.151	1.217.151
1.52.150	1.111.150	1.170.150	1.229.150	1.41.151	1.100.151	1.159.151	1.218.151
1.53.150	1.112.150	1.171.150	1.230.150	1.42.151	1.101.151	1.160.151	1.219.151
1.54.150	1.113.150	1.172.150	1.231.150	1.43.151	1.102.151	1.161.151	1.220.151
1.55.150	1.114.150	1.173.150	1.232.150	1.44.151	1.103.151	1.162.151	1.221.151
1.56.150	1.115.150	1.174.150	1.233.150	1.45.151	1.104.151	1.163.151	1.222.151
1.57.150	1.116.150	1.175.150	1.234.150	1.46.151	1.105.151	1.164.151	1.223.151
1.58.150	1.117.150	1.176.150	1.235.150	1.47.151	1.106.151	1.165.151	1.224.151
1.59.150	1.118.150	1.177.150	1.236.150	1.48.151	1.107.151	1.166.151	1.225.151
1.60.150	1.119.150	1.178.150	1.237.150	1.49.151	1.108.151	1.167.151	1.226.151
1.61.150	1.120.150	1.179.150	1.238.150	1.50.151	1.109.151	1.168.151	1.227.151
1.62.150	1.121.150	1.180.150	1.239.150	1.51.151	1.110.151	1.169.151	1.228.151
1.63.150	1.122.150	1.181.150	1.240.150	1.52.151	1.111.151	1.170.151	1.229.151
1.64.150	1.123.150	1.182.150	1.241.150	1.53.151	1.112.151	1.171.151	1.230.151
1.65.150	1.124.150	1.183.150	1.242.150	1.54.151	1.113.151	1.172.151	1.231.151
1.66.150	1.125.150	1.184.150	1.243.150	1.55.151	1.114.151	1.173.151	1.232.151
1.67.150	1.126.150	1.185.150	1.244.150	1.56.151	1.115.151	1.174.151	1.233.151
1.68.150	1.127.150	1.186.150	1.245.150	1.57.151	1.116.151	1.175.151	1.234.151
1.69.150	1.128.150	1.187.150	1.246.150	1.58.151	1.117.151	1.176.151	1.235.151
1.70.150	1.129.150	1.188.150	1.247.150	1.59.151	1.118.151	1.177.151	1.236.151
1.71.150	1.130.150	1.189.150	1.1.151	1.60.151	1.119.151	1.178.151	1.237.151

1.238.151	1.50.152	1.109.152	1.168.152	1.227.152	1.39.153	1.98.153	1.157.153
1.239.151	1.51.152	1.110.152	1.169.152	1.228.152	1.40.153	1.99.153	1.158.153
1.240.151	1.52.152	1.111.152	1.170.152	1.229.152	1.41.153	1.100.153	1.159.153
1.241.151	1.53.152	1.112.152	1.171.152	1.230.152	1.42.153	1.101.153	1.160.153
1.242.151	1.54.152	1.113.152	1.172.152	1.231.152	1.43.153	1.102.153	1.161.153
1.243.151	1.55.152	1.114.152	1.173.152	1.232.152	1.44.153	1.103.153	1.162.153
1.244.151	1.56.152	1.115.152	1.174.152	1.233.152	1.45.153	1.104.153	1.163.153
1.245.151	1.57.152	1.116.152	1.175.152	1.234.152	1.46.153	1.105.153	1.164.153
1.246.151	1.58.152	1.117.152	1.176.152	1.235.152	1.47.153	1.106.153	1.165.153
1.247.151	1.59.152	1.118.152	1.177.152	1.236.152	1.48.153	1.107.153	1.166.153
1.1.152	1.60.152	1.119.152	1.178.152	1.237.152	1.49.153	1.108.153	1.167.153
1.2.152	1.61.152	1.120.152	1.179.152	1.238.152	1.50.153	1.109.153	1.168.153
1.3.152	1.62.152	1.121.152	1.180.152	1.239.152	1.51.153	1.110.153	1.169.153
1.4.152	1.63.152	1.122.152	1.181.152	1.240.152	1.52.153	1.111.153	1.170.153
1.5.152	1.64.152	1.123.152	1.182.152	1.241.152	1.53.153	1.112.153	1.171.153
1.6.152	1.65.152	1.124.152	1.183.152	1.242.152	1.54.153	1.113.153	1.172.153
1.7.152	1.66.152	1.125.152	1.184.152	1.243.152	1.55.153	1.114.153	1.173.153
1.8.152	1.67.152	1.126.152	1.185.152	1.244.152	1.56.153	1.115.153	1.174.153
1.9.152	1.68.152	1.127.152	1.186.152	1.245.152	1.57.153	1.116.153	1.175.153
1.10.152	1.69.152	1.128.152	1.187.152	1.246.152	1.58.153	1.117.153	1.176.153
1.11.152	1.70.152	1.129.152	1.188.152	1.247.152	1.59.153	1.118.153	1.177.153
1.12.152	1.71.152	1.130.152	1.189.152	1.1.153	1.60.153	1.119.153	1.178.153
1.13.152	1.72.152	1.131.152	1.190.152	1.2.153	1.61.153	1.120.153	1.179.153
1.14.152	1.73.152	1.132.152	1.191.152	1.3.153	1.62.153	1.121.153	1.180.153
1.15.152	1.74.152	1.133.152	1.192.152	1.4.153	1.63.153	1.122.153	1.181.153
1.16.152	1.75.152	1.134.152	1.193.152	1.5.153	1.64.153	1.123.153	1.182.153
1.17.152	1.76.152	1.135.152	1.194.152	1.6.153	1.65.153	1.124.153	1.183.153
1.18.152	1.77.152	1.136.152	1.195.152	1.7.153	1.66.153	1.125.153	1.184.153
1.19.152	1.78.152	1.137.152	1.196.152	1.8.153	1.67.153	1.126.153	1.185.153
1.20.152	1.79.152	1.138.152	1.197.152	1.9.153	1.68.153	1.127.153	1.186.153
1.21.152	1.80.152	1.139.152	1.198.152	1.10.153	1.69.153	1.128.153	1.187.153
1.22.152	1.81.152	1.140.152	1.199.152	1.11.153	1.70.153	1.129.153	1.188.153
1.23.152	1.82.152	1.141.152	1.200.152	1.12.153	1.71.153	1.130.153	1.189.153
1.24.152	1.83.152	1.142.152	1.201.152	1.13.153	1.72.153	1.131.153	1.190.153
1.25.152	1.84.152	1.143.152	1.202.152	1.14.153	1.73.153	1.132.153	1.191.153
1.26.152	1.85.152	1.144.152	1.203.152	1.15.153	1.74.153	1.133.153	1.192.153
1.27.152	1.86.152	1.145.152	1.204.152	1.16.153	1.75.153	1.134.153	1.193.153
1.28.152	1.87.152	1.146.152	1.205.152	1.17.153	1.76.153	1.135.153	1.194.153
1.29.152	1.88.152	1.147.152	1.206.152	1.18.153	1.77.153	1.136.153	1.195.153
1.30.152	1.89.152	1.148.152	1.207.152	1.19.153	1.78.153	1.137.153	1.196.153
1.31.152	1.90.152	1.149.152	1.208.152	1.20.153	1.79.153	1.138.153	1.197.153
1.32.152	1.91.152	1.150.152	1.209.152	1.21.153	1.80.153	1.139.153	1.198.153
1.33.152	1.92.152	1.151.152	1.210.152	1.22.153	1.81.153	1.140.153	1.199.153
1.34.152	1.93.152	1.152.152	1.211.152	1.23.153	1.82.153	1.141.153	1.200.153
1.35.152	1.94.152	1.153.152	1.212.152	1.24.153	1.83.153	1.142.153	1.201.153
1.36.152	1.95.152	1.154.152	1.213.152	1.25.153	1.84.153	1.143.153	1.202.153
1.37.152	1.96.152	1.155.152	1.214.152	1.26.153	1.85.153	1.144.153	1.203.153
1.38.152	1.97.152	1.156.152	1.215.152	1.27.153	1.86.153	1.145.153	1.204.153
1.39.152	1.98.152	1.157.152	1.216.152	1.28.153	1.87.153	1.146.153	1.205.153
1.40.152	1.99.152	1.158.152	1.217.152	1.29.153	1.88.153	1.147.153	1.206.153
1.41.152	1.100.152	1.159.152	1.218.152	1.30.153	1.89.153	1.148.153	1.207.153
1.42.152	1.101.152	1.160.152	1.219.152	1.31.153	1.90.153	1.149.153	1.208.153
1.43.152	1.102.152	1.161.152	1.220.152	1.32.153	1.91.153	1.150.153	1.209.153
1.44.152	1.103.152	1.162.152	1.221.152	1.33.153	1.92.153	1.151.153	1.210.153
1.45.152	1.104.152	1.163.152	1.222.152	1.34.153	1.93.153	1.152.153	1.211.153
1.46.152	1.105.152	1.164.152	1.223.152	1.35.153	1.94.153	1.153.153	1.212.153
1.47.152	1.106.152	1.165.152	1.224.152	1.36.153	1.95.153	1.154.153	1.213.153
1.48.152	1.107.152	1.166.152	1.225.152	1.37.153	1.96.153	1.155.153	1.214.153
1.49.152	1.108.152	1.167.152	1.226.152	1.38.153	1.97.153	1.156.153	1.215.153

1.216.153	1.28.154	1.87.154	1.146.154	1.205.154	1.17.155	1.76.155	1.135.155
1.217.153	1.29.154	1.88.154	1.147.154	1.206.154	1.18.155	1.77.155	1.136.155
1.218.153	1.30.154	1.89.154	1.148.154	1.207.154	1.19.155	1.78.155	1.137.155
1.219.153	1.31.154	1.90.154	1.149.154	1.208.154	1.20.155	1.79.155	1.138.155
1.220.153	1.32.154	1.91.154	1.150.154	1.209.154	1.21.155	1.80.155	1.139.155
1.221.153	1.33.154	1.92.154	1.151.154	1.210.154	1.22.155	1.81.155	1.140.155
1.222.153	1.34.154	1.93.154	1.152.154	1.211.154	1.23.155	1.82.155	1.141.155
1.223.153	1.35.154	1.94.154	1.153.154	1.212.154	1.24.155	1.83.155	1.142.155
1.224.153	1.36.154	1.95.154	1.154.154	1.213.154	1.25.155	1.84.155	1.143.155
1.225.153	1.37.154	1.96.154	1.155.154	1.214.154	1.26.155	1.85.155	1.144.155
1.226.153	1.38.154	1.97.154	1.156.154	1.215.154	1.27.155	1.86.155	1.145.155
1.227.153	1.39.154	1.98.154	1.157.154	1.216.154	1.28.155	1.87.155	1.146.155
1.228.153	1.40.154	1.99.154	1.158.154	1.217.154	1.29.155	1.88.155	1.147.155
1.229.153	1.41.154	1.100.154	1.159.154	1.218.154	1.30.155	1.89.155	1.148.155
1.230.153	1.42.154	1.101.154	1.160.154	1.219.154	1.31.155	1.90.155	1.149.155
1.231.153	1.43.154	1.102.154	1.161.154	1.220.154	1.32.155	1.91.155	1.150.155
1.232.153	1.44.154	1.103.154	1.162.154	1.221.154	1.33.155	1.92.155	1.151.155
1.233.153	1.45.154	1.104.154	1.163.154	1.222.154	1.34.155	1.93.155	1.152.155
1.234.153	1.46.154	1.105.154	1.164.154	1.223.154	1.35.155	1.94.155	1.153.155
1.235.153	1.47.154	1.106.154	1.165.154	1.224.154	1.36.155	1.95.155	1.154.155
1.236.153	1.48.154	1.107.154	1.166.154	1.225.154	1.37.155	1.96.155	1.155.155
1.237.153	1.49.154	1.108.154	1.167.154	1.226.154	1.38.155	1.97.155	1.156.155
1.238.153	1.50.154	1.109.154	1.168.154	1.227.154	1.39.155	1.98.155	1.157.155
1.239.153	1.51.154	1.110.154	1.169.154	1.228.154	1.40.155	1.99.155	1.158.155
1.240.153	1.52.154	1.111.154	1.170.154	1.229.154	1.41.155	1.100.155	1.159.155
1.241.153	1.53.154	1.112.154	1.171.154	1.230.154	1.42.155	1.101.155	1.160.155
1.242.153	1.54.154	1.113.154	1.172.154	1.231.154	1.43.155	1.102.155	1.161.155
1.243.153	1.55.154	1.114.154	1.173.154	1.232.154	1.44.155	1.103.155	1.162.155
1.244.153	1.56.154	1.115.154	1.174.154	1.233.154	1.45.155	1.104.155	1.163.155
1.245.153	1.57.154	1.116.154	1.175.154	1.234.154	1.46.155	1.105.155	1.164.155
1.246.153	1.58.154	1.117.154	1.176.154	1.235.154	1.47.155	1.106.155	1.165.155
1.247.153	1.59.154	1.118.154	1.177.154	1.236.154	1.48.155	1.107.155	1.166.155
1.1.154	1.60.154	1.119.154	1.178.154	1.237.154	1.49.155	1.108.155	1.167.155
1.2.154	1.61.154	1.120.154	1.179.154	1.238.154	1.50.155	1.109.155	1.168.155
1.3.154	1.62.154	1.121.154	1.180.154	1.239.154	1.51.155	1.110.155	1.169.155
1.4.154	1.63.154	1.122.154	1.181.154	1.240.154	1.52.155	1.111.155	1.170.155
1.5.154	1.64.154	1.123.154	1.182.154	1.241.154	1.53.155	1.112.155	1.171.155
1.6.154	1.65.154	1.124.154	1.183.154	1.242.154	1.54.155	1.113.155	1.172.155
1.7.154	1.66.154	1.125.154	1.184.154	1.243.154	1.55.155	1.114.155	1.173.155
1.8.154	1.67.154	1.126.154	1.185.154	1.244.154	1.56.155	1.115.155	1.174.155
1.9.154	1.68.154	1.127.154	1.186.154	1.245.154	1.57.155	1.116.155	1.175.155
1.10.154	1.69.154	1.128.154	1.187.154	1.246.154	1.58.155	1.117.155	1.176.155
1.11.154	1.70.154	1.129.154	1.188.154	1.247.154	1.59.155	1.118.155	1.177.155
1.12.154	1.71.154	1.130.154	1.189.154	1.1.155	1.60.155	1.119.155	1.178.155
1.13.154	1.72.154	1.131.154	1.190.154	1.2.155	1.61.155	1.120.155	1.179.155
1.14.154	1.73.154	1.132.154	1.191.154	1.3.155	1.62.155	1.121.155	1.180.155
1.15.154	1.74.154	1.133.154	1.192.154	1.4.155	1.63.155	1.122.155	1.181.155
1.16.154	1.75.154	1.134.154	1.193.154	1.5.155	1.64.155	1.123.155	1.182.155
1.17.154	1.76.154	1.135.154	1.194.154	1.6.155	1.65.155	1.124.155	1.183.155
1.18.154	1.77.154	1.136.154	1.195.154	1.7.155	1.66.155	1.125.155	1.184.155
1.19.154	1.78.154	1.137.154	1.196.154	1.8.155	1.67.155	1.126.155	1.185.155
1.20.154	1.79.154	1.138.154	1.197.154	1.9.155	1.68.155	1.127.155	1.186.155
1.21.154	1.80.154	1.139.154	1.198.154	1.10.155	1.69.155	1.128.155	1.187.155
1.22.154	1.81.154	1.140.154	1.199.154	1.11.155	1.70.155	1.129.155	1.188.155
1.23.154	1.82.154	1.141.154	1.200.154	1.12.155	1.71.155	1.130.155	1.189.155
1.24.154	1.83.154	1.142.154	1.201.154	1.13.155	1.72.155	1.131.155	1.190.155
1.25.154	1.84.154	1.143.154	1.202.154	1.14.155	1.73.155	1.132.155	1.191.155
1.26.154	1.85.154	1.144.154	1.203.154	1.15.155	1.74.155	1.133.155	1.192.155
1.27.154	1.86.154	1.145.154	1.204.154	1.16.155	1.75.155	1.134.155	1.193.155

				1.183.156	1.242.156	1.54.157	1.113.157
1.195.155	1.7.156	1.66.156	1.125.156	1.184.156	1.243.156	1.55.157	1.114.157
1.196.155	1.8.156	1.67.156	1.126.156	1.185.156	1.244.156	1.56.157	1.115.157
1.197.155	1.9.156	1.68.156	1.127.156	1.186.156	1.245.156	1.57.157	1.116.157
1.198.155	1.10.156	1.69.156	1.128.156	1.187.156	1.246.156	1.58.157	1.117.157
1.199.155	1.11.156	1.70.156	1.129.156	1.188.156	1.247.156	1.59.157	1.118.157
1.200.155	1.12.156	1.71.156	1.130.156	1.189.156	1.1.157	1.60.157	1.119.157
1.201.155	1.13.156	1.72.156	1.131.156	1.190.156	1.2.157	1.61.157	1.120.157
1.202.155	1.14.156	1.73.156	1.132.156	1.191.156	1.3.157	1.62.157	1.121.157
1.203.155	1.15.156	1.74.156	1.133.156	1.192.156	1.4.157	1.63.157	1.122.157
1.204.155	1.16.156	1.75.156	1.134.156	1.193.156	1.5.157	1.64.157	1.123.157
1.205.155	1.17.156	1.76.156	1.135.156	1.194.156	1.6.157	1.65.157	1.124.157
1.206.155	1.18.156	1.77.156	1.136.156	1.195.156	1.7.157	1.66.157	1.125.157
1.207.155	1.19.156	1.78.156	1.137.156	1.196.156	1.8.157	1.67.157	1.126.157
1.208.155	1.20.156	1.79.156	1.138.156	1.197.156	1.9.157	1.68.157	1.127.157
1.209.155	1.21.156	1.80.156	1.139.156	1.198.156	1.10.157	1.69.157	1.128.157
1.210.155	1.22.156	1.81.156	1.140.156	1.199.156	1.11.157	1.70.157	1.129.157
1.211.155	1.23.156	1.82.156	1.141.156	1.200.156	1.12.157	1.71.157	1.130.157
1.212.155	1.24.156	1.83.156	1.142.156	1.201.156	1.13.157	1.72.157	1.131.157
1.213.155	1.25.156	1.84.156	1.143.156	1.202.156	1.14.157	1.73.157	1.132.157
1.214.155	1.26.156	1.85.156	1.144.156	1.203.156	1.15.157	1.74.157	1.133.157
1.215.155	1.27.156	1.86.156	1.145.156	1.204.156	1.16.157	1.75.157	1.134.157
1.216.155	1.28.156	1.87.156	1.146.156	1.205.156	1.17.157	1.76.157	1.135.157
1.217.155	1.29.156	1.88.156	1.147.156	1.206.156	1.18.157	1.77.157	1.136.157
1.218.155	1.30.156	1.89.156	1.148.156	1.207.156	1.19.157	1.78.157	1.137.157
1.219.155	1.31.156	1.90.156	1.149.156	1.208.156	1.20.157	1.79.157	1.138.157
1.220.155	1.32.156	1.91.156	1.150.156	1.209.156	1.21.157	1.80.157	1.139.157
1.221.155	1.33.156	1.92.156	1.151.156	1.210.156	1.22.157	1.81.157	1.140.157
1.222.155	1.34.156	1.93.156	1.152.156	1.211.156	1.23.157	1.82.157	1.141.157
1.223.155	1.35.156	1.94.156	1.153.156	1.212.156	1.24.157	1.83.157	1.142.157
1.224.155	1.36.156	1.95.156	1.154.156	1.213.156	1.25.157	1.84.157	1.143.157
1.225.155	1.37.156	1.96.156	1.155.156	1.214.156	1.26.157	1.85.157	1.144.157
1.226.155	1.38.156	1.97.156	1.156.156	1.215.156	1.27.157	1.86.157	1.145.157
1.227.155	1.39.156	1.98.156	1.157.156	1.216.156	1.28.157	1.87.157	1.146.157
1.228.155	1.40.156	1.99.156	1.158.156	1.217.156	1.29.157	1.88.157	1.147.157
1.229.155	1.41.156	1.100.156	1.159.156	1.218.156	1.30.157	1.89.157	1.148.157
1.230.155	1.42.156	1.101.156	1.160.156	1.219.156	1.31.157	1.90.157	1.149.157
1.231.155	1.43.156	1.102.156	1.161.156	1.220.156	1.32.157	1.91.157	1.150.157
1.232.155	1.44.156	1.103.156	1.162.156	1.221.156	1.33.157	1.92.157	1.151.157
1.233.155	1.45.156	1.104.156	1.163.156	1.222.156	1.34.157	1.93.157	1.152.157
1.234.155	1.46.156	1.105.156	1.164.156	1.223.156	1.35.157	1.94.157	1.153.157
1.235.155	1.47.156	1.106.156	1.165.156	1.224.156	1.36.157	1.95.157	1.154.157
1.236.155	1.48.156	1.107.156	1.166.156	1.225.156	1.37.157	1.96.157	1.155.157
1.237.155	1.49.156	1.108.156	1.167.156	1.226.156	1.38.157	1.97.157	1.156.157
1.238.155	1.50.156	1.109.156	1.168.156	1.227.156	1.39.157	1.98.157	1.157.157
1.239.155	1.51.156	1.110.156	1.169.156	1.228.156	1.40.157	1.99.157	1.158.157
1.240.155	1.52.156	1.111.156	1.170.156	1.229.156	1.41.157	1.100.157	1.159.157
1.241.155	1.53.156	1.112.156	1.171.156	1.230.156	1.42.157	1.101.157	1.160.157
1.242.155	1.54.156	1.113.156	1.172.156	1.231.156	1.43.157	1.102.157	1.161.157
1.243.155	1.55.156	1.114.156	1.173.156	1.232.156	1.44.157	1.103.157	1.162.157
1.244.155	1.56.156	1.115.156	1.174.156	1.233.156	1.45.157	1.104.157	1.163.157
1.245.155	1.57.156	1.116.156	1.175.156	1.234.156	1.46.157	1.105.157	1.164.157
1.246.155	1.58.156	1.117.156	1.176.156	1.235.156	1.47.157	1.106.157	1.165.157
1.247.155	1.59.156	1.118.156	1.177.156	1.236.156	1.48.157	1.107.157	1.166.157
1.1.156	1.60.156	1.119.156	1.178.156	1.237.156	1.49.157	1.108.157	1.167.157
1.2.156	1.61.156	1.120.156	1.179.156	1.238.156	1.50.157	1.109.157	1.168.157
1.3.156	1.62.156	1.121.156	1.180.156	1.239.156	1.51.157	1.110.157	1.169.157
1.4.156	1.63.156	1.122.156	1.181.156	1.240.156	1.52.157	1.111.157	1.170.157
1.5.156	1.64.156	1.123.156	1.182.156	1.241.156	1.53.157	1.112.157	1.171.157

1.173.157	1.232.157	1.44.158	1.103.158	1.161.158	1.220.158	1.32.159	1.91.159
1.174.157	1.233.157	1.45.158	1.104.158	1.162.158	1.221.158	1.33.159	1.92.159
1.175.157	1.234.157	1.46.158	1.105.158	1.163.158	1.222.158	1.34.159	1.93.159
1.176.157	1.235.157	1.47.158	1.106.158	1.164.158	1.223.158	1.35.159	1.94.159
1.177.157	1.236.157	1.48.158	1.107.158	1.165.158	1.224.158	1.36.159	1.95.159
1.178.157	1.237.157	1.49.158	1.108.158	1.166.158	1.225.158	1.37.159	1.96.159
1.179.157	1.238.157	1.50.158	1.109.158	1.167.158	1.226.158	1.38.159	1.97.159
1.180.157	1.239.157	1.51.158	1.110.158	1.168.158	1.227.158	1.39.159	1.98.159
1.181.157	1.240.157	1.52.158	1.111.158	1.169.158	1.228.158	1.40.159	1.99.159
1.182.157	1.241.157	1.53.158	1.112.158	1.170.158	1.229.158	1.41.159	1.100.159
1.183.157	1.242.157	1.54.158	1.113.158	1.171.158	1.230.158	1.42.159	1.101.159
1.184.157	1.243.157	1.55.158	1.114.158	1.172.158	1.231.158	1.43.159	1.102.159
1.185.157	1.244.157	1.56.158	1.115.158	1.173.158	1.232.158	1.44.159	1.103.159
1.186.157	1.245.157	1.57.158	1.116.158	1.174.158	1.233.158	1.45.159	1.104.159
1.187.157	1.246.157	1.58.158	1.117.158	1.175.158	1.234.158	1.46.159	1.105.159
1.188.157	1.247.157	1.59.158	1.118.158	1.176.158	1.235.158	1.47.159	1.106.159
1.189.157	1.1.158	1.60.158	1.119.158	1.177.158	1.236.158	1.48.159	1.107.159
1.190.157	1.2.158	1.61.158	1.120.158	1.178.158	1.237.158	1.49.159	1.108.159
1.191.157	1.3.158	1.62.158	1.121.158	1.179.158	1.238.158	1.50.159	1.109.159
1.192.157	1.4.158	1.63.158	1.122.158	1.180.158	1.239.158	1.51.159	1.110.159
1.193.157	1.5.158	1.64.158	1.123.158	1.181.158	1.240.158	1.52.159	1.111.159
1.194.157	1.6.158	1.65.158	1.124.158	1.182.158	1.241.158	1.53.159	1.112.159
1.195.157	1.7.158	1.66.158	1.125.158	1.183.158	1.242.158	1.54.159	1.113.159
1.196.157	1.8.158	1.67.158	1.126.158	1.184.158	1.243.158	1.55.159	1.114.159
1.197.157	1.9.158	1.68.158	1.127.158	1.185.158	1.244.158	1.56.159	1.115.159
1.198.157	1.10.158	1.69.158	1.128.158	1.186.158	1.245.158	1.57.159	1.116.159
1.199.157	1.11.158	1.70.158	1.129.158	1.187.158	1.246.158	1.58.159	1.117.159
1.200.157	1.12.158	1.71.158	1.130.158	1.188.158	1.247.158	1.59.159	1.118.159
1.201.157	1.13.158	1.72.158	1.131.158	1.189.158	1.1.159	1.60.159	1.119.159
1.202.157	1.14.158	1.73.158	1.132.158	1.190.158	1.2.159	1.61.159	1.120.159
1.203.157	1.15.158	1.74.158	1.133.158	1.191.158	1.3.159	1.62.159	1.121.159
1.204.157	1.16.158	1.75.158	1.134.158	1.192.158	1.4.159	1.63.159	1.122.159
1.205.157	1.17.158	1.76.158	1.135.158	1.193.158	1.5.159	1.64.159	1.123.159
1.206.157	1.18.158	1.77.158	1.136.158	1.194.158	1.6.159	1.65.159	1.124.159
1.207.157	1.19.158	1.78.158	1.137.158	1.195.158	1.7.159	1.66.159	1.125.159
1.208.157	1.20.158	1.79.158	1.138.158	1.196.158	1.8.159	1.67.159	1.126.159
1.209.157	1.21.158	1.80.158	1.139.158	1.197.158	1.9.159	1.68.159	1.127.159
1.210.157	1.22.158	1.81.158	1.140.158	1.198.158	1.10.159	1.69.159	1.128.159
1.211.157	1.23.158	1.82.158	1.141.158	1.199.158	1.11.159	1.70.159	1.129.159
1.212.157	1.24.158	1.83.158	1.142.158	1.200.158	1.12.159	1.71.159	1.130.159
1.213.157	1.25.158	1.84.158	1.143.158	1.201.158	1.13.159	1.72.159	1.131.159
1.214.157	1.26.158	1.85.158	1.144.158	1.202.158	1.14.159	1.73.159	1.132.159
1.215.157	1.27.158	1.86.158	1.145.158	1.203.158	1.15.159	1.74.159	1.133.159
1.216.157	1.28.158	1.87.158	1.146.158	1.204.158	1.16.159	1.75.159	1.134.159
1.217.157	1.29.158	1.88.158	1.147.158	1.205.158	1.17.159	1.76.159	1.135.159
1.218.157	1.30.158	1.89.158	1.148.158	1.206.158	1.18.159	1.77.159	1.136.159
1.219.157	1.31.158	1.90.158	1.149.158	1.207.158	1.19.159	1.78.159	1.137.159
1.220.157	1.32.158	1.91.158	1.150.158	1.208.158	1.20.159	1.79.159	1.138.159
1.221.157	1.33.158	1.92.158	1.151.158	1.209.158	1.21.159	1.80.159	1.139.159
1.222.157	1.34.158	1.93.158	1.152.158	1.210.158	1.22.159	1.81.159	1.140.159
1.223.157	1.35.158	1.94.158	1.153.158	1.211.158	1.23.159	1.82.159	1.141.159
1.224.157	1.36.158	1.95.158	1.154.158	1.212.158	1.24.159	1.83.159	1.142.159
1.225.157	1.37.158	1.96.158	1.155.158	1.213.158	1.25.159	1.84.159	1.143.159
1.226.157	1.38.158	1.97.158	1.156.158	1.214.158	1.26.159	1.85.159	1.144.159
1.227.157	1.39.158	1.98.158	1.157.158	1.215.158	1.27.159	1.86.159	1.145.159
1.228.157	1.40.158	1.99.158	1.158.158	1.216.158	1.28.159	1.87.159	1.146.159
1.229.157	1.41.158	1.100.158	1.159.158	1.217.158	1.29.159	1.88.159	1.147.159
1.230.157	1.42.158	1.101.158	1.160.158	1.218.158	1.30.159	1.89.159	1.148.159
				1.219.158	1.31.159	1.90.159	1.149.159

1.151.159	1.210.159	1.22.160	1.81.160	1.139.160	1.198.160	1.10.161	1.69.161
1.152.159	1.211.159	1.23.160	1.82.160	1.140.160	1.199.160	1.11.161	1.70.161
1.153.159	1.212.159	1.24.160	1.83.160	1.141.160	1.200.160	1.12.161	1.71.161
1.154.159	1.213.159	1.25.160	1.84.160	1.142.160	1.201.160	1.13.161	1.72.161
1.155.159	1.214.159	1.26.160	1.85.160	1.143.160	1.202.160	1.14.161	1.73.161
1.156.159	1.215.159	1.27.160	1.86.160	1.144.160	1.203.160	1.15.161	1.74.161
1.157.159	1.216.159	1.28.160	1.87.160	1.145.160	1.204.160	1.16.161	1.75.161
1.158.159	1.217.159	1.29.160	1.88.160	1.146.160	1.205.160	1.17.161	1.76.161
1.159.159	1.218.159	1.30.160	1.89.160	1.147.160	1.206.160	1.18.161	1.77.161
1.160.159	1.219.159	1.31.160	1.90.160	1.148.160	1.207.160	1.19.161	1.78.161
1.161.159	1.220.159	1.32.160	1.91.160	1.149.160	1.208.160	1.20.161	1.79.161
1.162.159	1.221.159	1.33.160	1.92.160	1.150.160	1.209.160	1.21.161	1.80.161
1.163.159	1.222.159	1.34.160	1.93.160	1.151.160	1.210.160	1.22.161	1.81.161
1.164.159	1.223.159	1.35.160	1.94.160	1.152.160	1.211.160	1.23.161	1.82.161
1.165.159	1.224.159	1.36.160	1.95.160	1.153.160	1.212.160	1.24.161	1.83.161
1.166.159	1.225.159	1.37.160	1.96.160	1.154.160	1.213.160	1.25.161	1.84.161
1.167.159	1.226.159	1.38.160	1.97.160	1.155.160	1.214.160	1.26.161	1.85.161
1.168.159	1.227.159	1.39.160	1.98.160	1.156.160	1.215.160	1.27.161	1.86.161
1.169.159	1.228.159	1.40.160	1.99.160	1.157.160	1.216.160	1.28.161	1.87.161
1.170.159	1.229.159	1.41.160	1.100.160	1.158.160	1.217.160	1.29.161	1.88.161
1.171.159	1.230.159	1.42.160	1.101.160	1.159.160	1.218.160	1.30.161	1.89.161
1.172.159	1.231.159	1.43.160	1.102.160	1.160.160	1.219.160	1.31.161	1.90.161
1.173.159	1.232.159	1.44.160	1.103.160	1.161.160	1.220.160	1.32.161	1.91.161
1.174.159	1.233.159	1.45.160	1.104.160	1.162.160	1.221.160	1.33.161	1.92.161
1.175.159	1.234.159	1.46.160	1.105.160	1.163.160	1.222.160	1.34.161	1.93.161
1.176.159	1.235.159	1.47.160	1.106.160	1.164.160	1.223.160	1.35.161	1.94.161
1.177.159	1.236.159	1.48.160	1.107.160	1.165.160	1.224.160	1.36.161	1.95.161
1.178.159	1.237.159	1.49.160	1.108.160	1.166.160	1.225.160	1.37.161	1.96.161
1.179.159	1.238.159	1.50.160	1.109.160	1.167.160	1.226.160	1.38.161	1.97.161
1.180.159	1.239.159	1.51.160	1.110.160	1.168.160	1.227.160	1.39.161	1.98.161
1.181.159	1.240.159	1.52.160	1.111.160	1.169.160	1.228.160	1.40.161	1.99.161
1.182.159	1.241.159	1.53.160	1.112.160	1.170.160	1.229.160	1.41.161	1.100.161
1.183.159	1.242.159	1.54.160	1.113.160	1.171.160	1.230.160	1.42.161	1.101.161
1.184.159	1.243.159	1.55.160	1.114.160	1.172.160	1.231.160	1.43.161	1.102.161
1.185.159	1.244.159	1.56.160	1.115.160	1.173.160	1.232.160	1.44.161	1.103.161
1.186.159	1.245.159	1.57.160	1.116.160	1.174.160	1.233.160	1.45.161	1.104.161
1.187.159	1.246.159	1.58.160	1.117.160	1.175.160	1.234.160	1.46.161	1.105.161
1.188.159	1.247.159	1.59.160	1.118.160	1.176.160	1.235.160	1.47.161	1.106.161
1.189.159	1.1.160	1.60.160	1.119.160	1.177.160	1.236.160	1.48.161	1.107.161
1.190.159	1.2.160	1.61.160	1.120.160	1.178.160	1.237.160	1.49.161	1.108.161
1.191.159	1.3.160	1.62.160	1.121.160	1.179.160	1.238.160	1.50.161	1.109.161
1.192.159	1.4.160	1.63.160	1.122.160	1.180.160	1.239.160	1.51.161	1.110.161
1.193.159	1.5.160	1.64.160	1.123.160	1.181.160	1.240.160	1.52.161	1.111.161
1.194.159	1.6.160	1.65.160	1.124.160	1.182.160	1.241.160	1.53.161	1.112.161
1.195.159	1.7.160	1.66.160	1.125.160	1.183.160	1.242.160	1.54.161	1.113.161
1.196.159	1.8.160	1.67.160	1.126.160	1.184.160	1.243.160	1.55.161	1.114.161
1.197.159	1.9.160	1.68.160	1.127.160	1.185.160	1.244.160	1.56.161	1.115.161
1.198.159	1.10.160	1.69.160	1.128.160	1.186.160	1.245.160	1.57.161	1.116.161
1.199.159	1.11.160	1.70.160	1.129.160	1.187.160	1.246.160	1.58.161	1.117.161
1.200.159	1.12.160	1.71.160	1.130.160	1.188.160	1.247.160	1.59.161	1.118.161
1.201.159	1.13.160	1.72.160	1.131.160	1.189.160	1.1.161	1.60.161	1.119.161
1.202.159	1.14.160	1.73.160	1.132.160	1.190.160	1.2.161	1.61.161	1.120.161
1.203.159	1.15.160	1.74.160	1.133.160	1.191.160	1.3.161	1.62.161	1.121.161
1.204.159	1.16.160	1.75.160	1.134.160	1.192.160	1.4.161	1.63.161	1.122.161
1.205.159	1.17.160	1.76.160	1.135.160	1.193.160	1.5.161	1.64.161	1.123.161
1.206.159	1.18.160	1.77.160	1.136.160	1.194.160	1.6.161	1.65.161	1.124.161
1.207.159	1.19.160	1.78.160	1.137.160	1.195.160	1.7.161	1.66.161	1.125.161
1.208.159	1.20.160	1.79.160	1.138.160	1.196.160	1.8.161	1.67.161	1.126.161
				1.197.160	1.9.161	1.68.161	1.127.161

1.129.161	1.188.161	1.247.161	1.59.162	1.117.162	1.176.162	1.235.162	1.47.163
1.130.161	1.189.161	1.1.162	1.60.162	1.118.162	1.177.162	1.236.162	1.48.163
1.131.161	1.190.161	1.2.162	1.61.162	1.119.162	1.178.162	1.237.162	1.49.163
1.132.161	1.191.161	1.3.162	1.62.162	1.120.162	1.179.162	1.238.162	1.50.163
1.133.161	1.192.161	1.4.162	1.63.162	1.121.162	1.180.162	1.239.162	1.51.163
1.134.161	1.193.161	1.5.162	1.64.162	1.122.162	1.181.162	1.240.162	1.52.163
1.135.161	1.194.161	1.6.162	1.65.162	1.123.162	1.182.162	1.241.162	1.53.163
1.136.161	1.195.161	1.7.162	1.66.162	1.124.162	1.183.162	1.242.162	1.54.163
1.137.161	1.196.161	1.8.162	1.67.162	1.125.162	1.184.162	1.243.162	1.55.163
1.138.161	1.197.161	1.9.162	1.68.162	1.126.162	1.185.162	1.244.162	1.56.163
1.139.161	1.198.161	1.10.162	1.69.162	1.127.162	1.186.162	1.245.162	1.57.163
1.140.161	1.199.161	1.11.162	1.70.162	1.128.162	1.187.162	1.246.162	1.58.163
1.141.161	1.200.161	1.12.162	1.71.162	1.129.162	1.188.162	1.247.162	1.59.163
1.142.161	1.201.161	1.13.162	1.72.162	1.130.162	1.189.162	1.1.163	1.60.163
1.143.161	1.202.161	1.14.162	1.73.162	1.131.162	1.190.162	1.2.163	1.61.163
1.144.161	1.203.161	1.15.162	1.74.162	1.132.162	1.191.162	1.3.163	1.62.163
1.145.161	1.204.161	1.16.162	1.75.162	1.133.162	1.192.162	1.4.163	1.63.163
1.146.161	1.205.161	1.17.162	1.76.162	1.134.162	1.193.162	1.5.163	1.64.163
1.147.161	1.206.161	1.18.162	1.77.162	1.135.162	1.194.162	1.6.163	1.65.163
1.148.161	1.207.161	1.19.162	1.78.162	1.136.162	1.195.162	1.7.163	1.66.163
1.149.161	1.208.161	1.20.162	1.79.162	1.137.162	1.196.162	1.8.163	1.67.163
1.150.161	1.209.161	1.21.162	1.80.162	1.138.162	1.197.162	1.9.163	1.68.163
1.151.161	1.210.161	1.22.162	1.81.162	1.139.162	1.198.162	1.10.163	1.69.163
1.152.161	1.211.161	1.23.162	1.82.162	1.140.162	1.199.162	1.11.163	1.70.163
1.153.161	1.212.161	1.24.162	1.83.162	1.141.162	1.200.162	1.12.163	1.71.163
1.154.161	1.213.161	1.25.162	1.84.162	1.142.162	1.201.162	1.13.163	1.72.163
1.155.161	1.214.161	1.26.162	1.85.162	1.143.162	1.202.162	1.14.163	1.73.163
1.156.161	1.215.161	1.27.162	1.86.162	1.144.162	1.203.162	1.15.163	1.74.163
1.157.161	1.216.161	1.28.162	1.87.162	1.145.162	1.204.162	1.16.163	1.75.163
1.158.161	1.217.161	1.29.162	1.88.162	1.146.162	1.205.162	1.17.163	1.76.163
1.159.161	1.218.161	1.30.162	1.89.162	1.147.162	1.206.162	1.18.163	1.77.163
1.160.161	1.219.161	1.31.162	1.90.162	1.148.162	1.207.162	1.19.163	1.78.163
1.161.161	1.220.161	1.32.162	1.91.162	1.149.162	1.208.162	1.20.163	1.79.163
1.162.161	1.221.161	1.33.162	1.92.162	1.150.162	1.209.162	1.21.163	1.80.163
1.163.161	1.222.161	1.34.162	1.93.162	1.151.162	1.210.162	1.22.163	1.81.163
1.164.161	1.223.161	1.35.162	1.94.162	1.152.162	1.211.162	1.23.163	1.82.163
1.165.161	1.224.161	1.36.162	1.95.162	1.153.162	1.212.162	1.24.163	1.83.163
1.166.161	1.225.161	1.37.162	1.96.162	1.154.162	1.213.162	1.25.163	1.84.163
1.167.161	1.226.161	1.38.162	1.97.162	1.155.162	1.214.162	1.26.163	1.85.163
1.168.161	1.227.161	1.39.162	1.98.162	1.156.162	1.215.162	1.27.163	1.86.163
1.169.161	1.228.161	1.40.162	1.99.162	1.157.162	1.216.162	1.28.163	1.87.163
1.170.161	1.229.161	1.41.162	1.100.162	1.158.162	1.217.162	1.29.163	1.88.163
1.171.161	1.230.161	1.42.162	1.101.162	1.159.162	1.218.162	1.30.163	1.89.163
1.172.161	1.231.161	1.43.162	1.102.162	1.160.162	1.219.162	1.31.163	1.90.163
1.173.161	1.232.161	1.44.162	1.103.162	1.161.162	1.220.162	1.32.163	1.91.163
1.174.161	1.233.161	1.45.162	1.104.162	1.162.162	1.221.162	1.33.163	1.92.163
1.175.161	1.234.161	1.46.162	1.105.162	1.163.162	1.222.162	1.34.163	1.93.163
1.176.161	1.235.161	1.47.162	1.106.162	1.164.162	1.223.162	1.35.163	1.94.163
1.177.161	1.236.161	1.48.162	1.107.162	1.165.162	1.224.162	1.36.163	1.95.163
1.178.161	1.237.161	1.49.162	1.108.162	1.166.162	1.225.162	1.37.163	1.96.163
1.179.161	1.238.161	1.50.162	1.109.162	1.167.162	1.226.162	1.38.163	1.97.163
1.180.161	1.239.161	1.51.162	1.110.162	1.168.162	1.227.162	1.39.163	1.98.163
1.181.161	1.240.161	1.52.162	1.111.162	1.169.162	1.228.162	1.40.163	1.99.163
1.182.161	1.241.161	1.53.162	1.112.162	1.170.162	1.229.162	1.41.163	1.100.163
1.183.161	1.242.161	1.54.162	1.113.162	1.171.162	1.230.162	1.42.163	1.101.163
1.184.161	1.243.161	1.55.162	1.114.162	1.172.162	1.231.162	1.43.163	1.102.163
1.185.161	1.244.161	1.56.162	1.115.162	1.173.162	1.232.162	1.44.163	1.103.163
1.186.161	1.245.161	1.57.162	1.116.162	1.174.162	1.233.162	1.45.163	1.104.163
				1.175.162	1.234.162	1.46.163	1.105.163

1.107.163	1.166.163	1.225.163	1.37.164	1.95.164	1.154.164	1.213.164	1.25.165
1.108.163	1.167.163	1.226.163	1.38.164	1.96.164	1.155.164	1.214.164	1.26.165
1.109.163	1.168.163	1.227.163	1.39.164	1.97.164	1.156.164	1.215.164	1.27.165
1.110.163	1.169.163	1.228.163	1.40.164	1.98.164	1.157.164	1.216.164	1.28.165
1.111.163	1.170.163	1.229.163	1.41.164	1.99.164	1.158.164	1.217.164	1.29.165
1.112.163	1.171.163	1.230.163	1.42.164	1.100.164	1.159.164	1.218.164	1.30.165
1.113.163	1.172.163	1.231.163	1.43.164	1.101.164	1.160.164	1.219.164	1.31.165
1.114.163	1.173.163	1.232.163	1.44.164	1.102.164	1.161.164	1.220.164	1.32.165
1.115.163	1.174.163	1.233.163	1.45.164	1.103.164	1.162.164	1.221.164	1.33.165
1.116.163	1.175.163	1.234.163	1.46.164	1.104.164	1.163.164	1.222.164	1.34.165
1.117.163	1.176.163	1.235.163	1.47.164	1.105.164	1.164.164	1.223.164	1.35.165
1.118.163	1.177.163	1.236.163	1.48.164	1.106.164	1.165.164	1.224.164	1.36.165
1.119.163	1.178.163	1.237.163	1.49.164	1.107.164	1.166.164	1.225.164	1.37.165
1.120.163	1.179.163	1.238.163	1.50.164	1.108.164	1.167.164	1.226.164	1.38.165
1.121.163	1.180.163	1.239.163	1.51.164	1.109.164	1.168.164	1.227.164	1.39.165
1.122.163	1.181.163	1.240.163	1.52.164	1.110.164	1.169.164	1.228.164	1.40.165
1.123.163	1.182.163	1.241.163	1.53.164	1.111.164	1.170.164	1.229.164	1.41.165
1.124.163	1.183.163	1.242.163	1.54.164	1.112.164	1.171.164	1.230.164	1.42.165
1.125.163	1.184.163	1.243.163	1.55.164	1.113.164	1.172.164	1.231.164	1.43.165
1.126.163	1.185.163	1.244.163	1.56.164	1.114.164	1.173.164	1.232.164	1.44.165
1.127.163	1.186.163	1.245.163	1.57.164	1.115.164	1.174.164	1.233.164	1.45.165
1.128.163	1.187.163	1.246.163	1.58.164	1.116.164	1.175.164	1.234.164	1.46.165
1.129.163	1.188.163	1.247.163	1.59.164	1.117.164	1.176.164	1.235.164	1.47.165
1.130.163	1.189.163	1.1.164	1.60.164	1.118.164	1.177.164	1.236.164	1.48.165
1.131.163	1.190.163	1.2.164	1.61.164	1.119.164	1.178.164	1.237.164	1.49.165
1.132.163	1.191.163	1.3.164	1.62.164	1.120.164	1.179.164	1.238.164	1.50.165
1.133.163	1.192.163	1.4.164	1.63.164	1.121.164	1.180.164	1.239.164	1.51.165
1.134.163	1.193.163	1.5.164	1.64.164	1.122.164	1.181.164	1.240.164	1.52.165
1.135.163	1.194.163	1.6.164	1.65.164	1.123.164	1.182.164	1.241.164	1.53.165
1.136.163	1.195.163	1.7.164	1.66.164	1.124.164	1.183.164	1.242.164	1.54.165
1.137.163	1.196.163	1.8.164	1.67.164	1.125.164	1.184.164	1.243.164	1.55.165
1.138.163	1.197.163	1.9.164	1.68.164	1.126.164	1.185.164	1.244.164	1.56.165
1.139.163	1.198.163	1.10.164	1.69.164	1.127.164	1.186.164	1.245.164	1.57.165
1.140.163	1.199.163	1.11.164	1.70.164	1.128.164	1.187.164	1.246.164	1.58.165
1.141.163	1.200.163	1.12.164	1.71.164	1.129.164	1.188.164	1.247.164	1.59.165
1.142.163	1.201.163	1.13.164	1.72.164	1.130.164	1.189.164	1.1.165	1.60.165
1.143.163	1.202.163	1.14.164	1.73.164	1.131.164	1.190.164	1.2.165	1.61.165
1.144.163	1.203.163	1.15.164	1.74.164	1.132.164	1.191.164	1.3.165	1.62.165
1.145.163	1.204.163	1.16.164	1.75.164	1.133.164	1.192.164	1.4.165	1.63.165
1.146.163	1.205.163	1.17.164	1.76.164	1.134.164	1.193.164	1.5.165	1.64.165
1.147.163	1.206.163	1.18.164	1.77.164	1.135.164	1.194.164	1.6.165	1.65.165
1.148.163	1.207.163	1.19.164	1.78.164	1.136.164	1.195.164	1.7.165	1.66.165
1.149.163	1.208.163	1.20.164	1.79.164	1.137.164	1.196.164	1.8.165	1.67.165
1.150.163	1.209.163	1.21.164	1.80.164	1.138.164	1.197.164	1.9.165	1.68.165
1.151.163	1.210.163	1.22.164	1.81.164	1.139.164	1.198.164	1.10.165	1.69.165
1.152.163	1.211.163	1.23.164	1.82.164	1.140.164	1.199.164	1.11.165	1.70.165
1.153.163	1.212.163	1.24.164	1.83.164	1.141.164	1.200.164	1.12.165	1.71.165
1.154.163	1.213.163	1.25.164	1.84.164	1.142.164	1.201.164	1.13.165	1.72.165
1.155.163	1.214.163	1.26.164	1.85.164	1.143.164	1.202.164	1.14.165	1.73.165
1.156.163	1.215.163	1.27.164	1.86.164	1.144.164	1.203.164	1.15.165	1.74.165
1.157.163	1.216.163	1.28.164	1.87.164	1.145.164	1.204.164	1.16.165	1.75.165
1.158.163	1.217.163	1.29.164	1.88.164	1.146.164	1.205.164	1.17.165	1.76.165
1.159.163	1.218.163	1.30.164	1.89.164	1.147.164	1.206.164	1.18.165	1.77.165
1.160.163	1.219.163	1.31.164	1.90.164	1.148.164	1.207.164	1.19.165	1.78.165
1.161.163	1.220.163	1.32.164	1.91.164	1.149.164	1.208.164	1.20.165	1.79.165
1.162.163	1.221.163	1.33.164	1.92.164	1.150.164	1.209.164	1.21.165	1.80.165
1.163.163	1.222.163	1.34.164	1.93.164	1.151.164	1.210.164	1.22.165	1.81.165
1.164.163	1.223.163	1.35.164	1.94.164	1.152.164	1.211.164	1.23.165	1.82.165
				1.153.164	1.212.164	1.24.165	1.83.165



1.84.165	1.143.165	1.202.165	1.14.166	1.73.166	1.132.166	1.191.166	1.3.167
1.85.165	1.144.165	1.203.165	1.15.166	1.74.166	1.133.166	1.192.166	1.4.167
1.86.165	1.145.165	1.204.165	1.16.166	1.75.166	1.134.166	1.193.166	1.5.167
1.87.165	1.146.165	1.205.165	1.17.166	1.76.166	1.135.166	1.194.166	1.6.167
1.88.165	1.147.165	1.206.165	1.18.166	1.77.166	1.136.166	1.195.166	1.7.167
1.89.165	1.148.165	1.207.165	1.19.166	1.78.166	1.137.166	1.196.166	1.8.167
1.90.165	1.149.165	1.208.165	1.20.166	1.79.166	1.138.166	1.197.166	1.9.167
1.91.165	1.150.165	1.209.165	1.21.166	1.80.166	1.139.166	1.198.166	1.10.167
1.92.165	1.151.165	1.210.165	1.22.166	1.81.166	1.140.166	1.199.166	1.11.167
1.93.165	1.152.165	1.211.165	1.23.166	1.82.166	1.141.166	1.200.166	1.12.167
1.94.165	1.153.165	1.212.165	1.24.166	1.83.166	1.142.166	1.201.166	1.13.167
1.95.165	1.154.165	1.213.165	1.25.166	1.84.166	1.143.166	1.202.166	1.14.167
1.96.165	1.155.165	1.214.165	1.26.166	1.85.166	1.144.166	1.203.166	1.15.167
1.97.165	1.156.165	1.215.165	1.27.166	1.86.166	1.145.166	1.204.166	1.16.167
1.98.165	1.157.165	1.216.165	1.28.166	1.87.166	1.146.166	1.205.166	1.17.167
1.99.165	1.158.165	1.217.165	1.29.166	1.88.166	1.147.166	1.206.166	1.18.167
1.100.165	1.159.165	1.218.165	1.30.166	1.89.166	1.148.166	1.207.166	1.19.167
1.101.165	1.160.165	1.219.165	1.31.166	1.90.166	1.149.166	1.208.166	1.20.167
1.102.165	1.161.165	1.220.165	1.32.166	1.91.166	1.150.166	1.209.166	1.21.167
1.103.165	1.162.165	1.221.165	1.33.166	1.92.166	1.151.166	1.210.166	1.22.167
1.104.165	1.163.165	1.222.165	1.34.166	1.93.166	1.152.166	1.211.166	1.23.167
1.105.165	1.164.165	1.223.165	1.35.166	1.94.166	1.153.166	1.212.166	1.24.167
1.106.165	1.165.165	1.224.165	1.36.166	1.95.166	1.154.166	1.213.166	1.25.167
1.107.165	1.166.165	1.225.165	1.37.166	1.96.166	1.155.166	1.214.166	1.26.167
1.108.165	1.167.165	1.226.165	1.38.166	1.97.166	1.156.166	1.215.166	1.27.167
1.109.165	1.168.165	1.227.165	1.39.166	1.98.166	1.157.166	1.216.166	1.28.167
1.110.165	1.169.165	1.228.165	1.40.166	1.99.166	1.158.166	1.217.166	1.29.167
1.111.165	1.170.165	1.229.165	1.41.166	1.100.166	1.159.166	1.218.166	1.30.167
1.112.165	1.171.165	1.230.165	1.42.166	1.101.166	1.160.166	1.219.166	1.31.167
1.113.165	1.172.165	1.231.165	1.43.166	1.102.166	1.161.166	1.220.166	1.32.167
1.114.165	1.173.165	1.232.165	1.44.166	1.103.166	1.162.166	1.221.166	1.33.167
1.115.165	1.174.165	1.233.165	1.45.166	1.104.166	1.163.166	1.222.166	1.34.167
1.116.165	1.175.165	1.234.165	1.46.166	1.105.166	1.164.166	1.223.166	1.35.167
1.117.165	1.176.165	1.235.165	1.47.166	1.106.166	1.165.166	1.224.166	1.36.167
1.118.165	1.177.165	1.236.165	1.48.166	1.107.166	1.166.166	1.225.166	1.37.167
1.119.165	1.178.165	1.237.165	1.49.166	1.108.166	1.167.166	1.226.166	1.38.167
1.120.165	1.179.165	1.238.165	1.50.166	1.109.166	1.168.166	1.227.166	1.39.167
1.121.165	1.180.165	1.239.165	1.51.166	1.110.166	1.169.166	1.228.166	1.40.167
1.122.165	1.181.165	1.240.165	1.52.166	1.111.166	1.170.166	1.229.166	1.41.167
1.123.165	1.182.165	1.241.165	1.53.166	1.112.166	1.171.166	1.230.166	1.42.167
1.124.165	1.183.165	1.242.165	1.54.166	1.113.166	1.172.166	1.231.166	1.43.167
1.125.165	1.184.165	1.243.165	1.55.166	1.114.166	1.173.166	1.232.166	1.44.167
1.126.165	1.185.165	1.244.165	1.56.166	1.115.166	1.174.166	1.233.166	1.45.167
1.127.165	1.186.165	1.245.165	1.57.166	1.116.166	1.175.166	1.234.166	1.46.167
1.128.165	1.187.165	1.246.165	1.58.166	1.117.166	1.176.166	1.235.166	1.47.167
1.129.165	1.188.165	1.247.165	1.59.166	1.118.166	1.177.166	1.236.166	1.48.167
1.130.165	1.189.165	1.1.166	1.60.166	1.119.166	1.178.166	1.237.166	1.49.167
1.131.165	1.190.165	1.2.166	1.61.166	1.120.166	1.179.166	1.238.166	1.50.167
1.132.165	1.191.165	1.3.166	1.62.166	1.121.166	1.180.166	1.239.166	1.51.167
1.133.165	1.192.165	1.4.166	1.63.166	1.122.166	1.181.166	1.240.166	1.52.167
1.134.165	1.193.165	1.5.166	1.64.166	1.123.166	1.182.166	1.241.166	1.53.167
1.135.165	1.194.165	1.6.166	1.65.166	1.124.166	1.183.166	1.242.166	1.54.167
1.136.165	1.195.165	1.7.166	1.66.166	1.125.166	1.184.166	1.243.166	1.55.167
1.137.165	1.196.165	1.8.166	1.67.166	1.126.166	1.185.166	1.244.166	1.56.167
1.138.165	1.197.165	1.9.166	1.68.166	1.127.166	1.186.166	1.245.166	1.57.167
1.139.165	1.198.165	1.10.166	1.69.166	1.128.166	1.187.166	1.246.166	1.58.167
1.140.165	1.199.165	1.11.166	1.70.166	1.129.166	1.188.166	1.247.166	1.59.167
1.141.165	1.200.165	1.12.166	1.71.166	1.130.166	1.189.166	1.1.167	1.60.167
1.142.165	1.201.165	1.13.166	1.72.166	1.131.166	1.190.166	1.2.167	1.61.167

				1.51.168	1.110.168	1.169.168	1.228.168
1.63.167	1.122.167	1.181.167	1.240.167	1.52.168	1.111.168	1.170.168	1.229.168
1.64.167	1.123.167	1.182.167	1.241.167	1.53.168	1.112.168	1.171.168	1.230.168
1.65.167	1.124.167	1.183.167	1.242.167	1.54.168	1.113.168	1.172.168	1.231.168
1.66.167	1.125.167	1.184.167	1.243.167	1.55.168	1.114.168	1.173.168	1.232.168
1.67.167	1.126.167	1.185.167	1.244.167	1.56.168	1.115.168	1.174.168	1.233.168
1.68.167	1.127.167	1.186.167	1.245.167	1.57.168	1.116.168	1.175.168	1.234.168
1.69.167	1.128.167	1.187.167	1.246.167	1.58.168	1.117.168	1.176.168	1.235.168
1.70.167	1.129.167	1.188.167	1.247.167	1.59.168	1.118.168	1.177.168	1.236.168
1.71.167	1.130.167	1.189.167	1.1.168	1.60.168	1.119.168	1.178.168	1.237.168
1.72.167	1.131.167	1.190.167	1.2.168	1.61.168	1.120.168	1.179.168	1.238.168
1.73.167	1.132.167	1.191.167	1.3.168	1.62.168	1.121.168	1.180.168	1.239.168
1.74.167	1.133.167	1.192.167	1.4.168	1.63.168	1.122.168	1.181.168	1.240.168
1.75.167	1.134.167	1.193.167	1.5.168	1.64.168	1.123.168	1.182.168	1.241.168
1.76.167	1.135.167	1.194.167	1.6.168	1.65.168	1.124.168	1.183.168	1.242.168
1.77.167	1.136.167	1.195.167	1.7.168	1.66.168	1.125.168	1.184.168	1.243.168
1.78.167	1.137.167	1.196.167	1.8.168	1.67.168	1.126.168	1.185.168	1.244.168
1.79.167	1.138.167	1.197.167	1.9.168	1.68.168	1.127.168	1.186.168	1.245.168
1.80.167	1.139.167	1.198.167	1.10.168	1.69.168	1.128.168	1.187.168	1.246.168
1.81.167	1.140.167	1.199.167	1.11.168	1.70.168	1.129.168	1.188.168	1.247.168
1.82.167	1.141.167	1.200.167	1.12.168	1.71.168	1.130.168	1.189.168	1.1.169
1.83.167	1.142.167	1.201.167	1.13.168	1.72.168	1.131.168	1.190.168	1.2.169
1.84.167	1.143.167	1.202.167	1.14.168	1.73.168	1.132.168	1.191.168	1.3.169
1.85.167	1.144.167	1.203.167	1.15.168	1.74.168	1.133.168	1.192.168	1.4.169
1.86.167	1.145.167	1.204.167	1.16.168	1.75.168	1.134.168	1.193.168	1.5.169
1.87.167	1.146.167	1.205.167	1.17.168	1.76.168	1.135.168	1.194.168	1.6.169
1.88.167	1.147.167	1.206.167	1.18.168	1.77.168	1.136.168	1.195.168	1.7.169
1.89.167	1.148.167	1.207.167	1.19.168	1.78.168	1.137.168	1.196.168	1.8.169
1.90.167	1.149.167	1.208.167	1.20.168	1.79.168	1.138.168	1.197.168	1.9.169
1.91.167	1.150.167	1.209.167	1.21.168	1.80.168	1.139.168	1.198.168	1.10.169
1.92.167	1.151.167	1.210.167	1.22.168	1.81.168	1.140.168	1.199.168	1.11.169
1.93.167	1.152.167	1.211.167	1.23.168	1.82.168	1.141.168	1.200.168	1.12.169
1.94.167	1.153.167	1.212.167	1.24.168	1.83.168	1.142.168	1.201.168	1.13.169
1.95.167	1.154.167	1.213.167	1.25.168	1.84.168	1.143.168	1.202.168	1.14.169
1.96.167	1.155.167	1.214.167	1.26.168	1.85.168	1.144.168	1.203.168	1.15.169
1.97.167	1.156.167	1.215.167	1.27.168	1.86.168	1.145.168	1.204.168	1.16.169
1.98.167	1.157.167	1.216.167	1.28.168	1.87.168	1.146.168	1.205.168	1.17.169
1.99.167	1.158.167	1.217.167	1.29.168	1.88.168	1.147.168	1.206.168	1.18.169
1.100.167	1.159.167	1.218.167	1.30.168	1.89.168	1.148.168	1.207.168	1.19.169
1.101.167	1.160.167	1.219.167	1.31.168	1.90.168	1.149.168	1.208.168	1.20.169
1.102.167	1.161.167	1.220.167	1.32.168	1.91.168	1.150.168	1.209.168	1.21.169
1.103.167	1.162.167	1.221.167	1.33.168	1.92.168	1.151.168	1.210.168	1.22.169
1.104.167	1.163.167	1.222.167	1.34.168	1.93.168	1.152.168	1.211.168	1.23.169
1.105.167	1.164.167	1.223.167	1.35.168	1.94.168	1.153.168	1.212.168	1.24.169
1.106.167	1.165.167	1.224.167	1.36.168	1.95.168	1.154.168	1.213.168	1.25.169
1.107.167	1.166.167	1.225.167	1.37.168	1.96.168	1.155.168	1.214.168	1.26.169
1.108.167	1.167.167	1.226.167	1.38.168	1.97.168	1.156.168	1.215.168	1.27.169
1.109.167	1.168.167	1.227.167	1.39.168	1.98.168	1.157.168	1.216.168	1.28.169
1.110.167	1.169.167	1.228.167	1.40.168	1.99.168	1.158.168	1.217.168	1.29.169
1.111.167	1.170.167	1.229.167	1.41.168	1.100.168	1.159.168	1.218.168	1.30.169
1.112.167	1.171.167	1.230.167	1.42.168	1.101.168	1.160.168	1.219.168	1.31.169
1.113.167	1.172.167	1.231.167	1.43.168	1.102.168	1.161.168	1.220.168	1.32.169
1.114.167	1.173.167	1.232.167	1.44.168	1.103.168	1.162.168	1.221.168	1.33.169
1.115.167	1.174.167	1.233.167	1.45.168	1.104.168	1.163.168	1.222.168	1.34.169
1.116.167	1.175.167	1.234.167	1.46.168	1.105.168	1.164.168	1.223.168	1.35.169
1.117.167	1.176.167	1.235.167	1.47.168	1.106.168	1.165.168	1.224.168	1.36.169
1.118.167	1.177.167	1.236.167	1.48.168	1.107.168	1.166.168	1.225.168	1.37.169
1.119.167	1.178.167	1.237.167	1.49.168	1.108.168	1.167.168	1.226.168	1.38.169
1.120.167	1.179.167	1.238.167	1.50.168	1.109.168	1.168.168	1.227.168	1.39.169

1.40.169	1.100.169	1.159.169	1.218.169	1.29.170	1.88.170	1.147.170	1.206.170
1.41.169	1.101.169	1.160.169	1.219.169	1.30.170	1.89.170	1.148.170	1.207.170
1.42.169	1.102.169	1.161.169	1.220.169	1.31.170	1.90.170	1.149.170	1.208.170
1.43.169	1.103.169	1.162.169	1.221.169	1.32.170	1.91.170	1.150.170	1.209.170
1.44.169	1.104.169	1.163.169	1.222.169	1.33.170	1.92.170	1.151.170	1.210.170
1.45.169	1.105.169	1.164.169	1.223.169	1.34.170	1.93.170	1.152.170	1.211.170
1.46.169	1.106.169	1.165.169	1.224.169	1.35.170	1.94.170	1.153.170	1.212.170
1.47.169	1.107.169	1.166.169	1.225.169	1.36.170	1.95.170	1.154.170	1.213.170
1.48.169	1.108.169	1.167.169	1.226.169	1.37.170	1.96.170	1.155.170	1.214.170
1.49.169	1.109.169	1.168.169	1.227.169	1.38.170	1.97.170	1.156.170	1.215.170
1.50.169	1.110.169	1.169.169	1.228.169	1.39.170	1.98.170	1.157.170	1.216.170
1.51.169	1.111.169	1.170.169	1.229.169	1.40.170	1.99.170	1.158.170	1.217.170
1.52.169	1.112.169	1.171.169	1.230.169	1.41.170	1.100.170	1.159.170	1.218.170
1.53.169	1.113.169	1.172.169	1.231.169	1.42.170	1.101.170	1.160.170	1.219.170
1.54.169	1.114.169	1.173.169	1.232.169	1.43.170	1.102.170	1.161.170	1.220.170
1.55.169	1.115.169	1.174.169	1.233.169	1.44.170	1.103.170	1.162.170	1.221.170
1.56.169	1.116.169	1.175.169	1.234.169	1.45.170	1.104.170	1.163.170	1.222.170
1.57.169	1.117.169	1.176.169	1.235.169	1.46.170	1.105.170	1.164.170	1.223.170
1.58.169	1.118.169	1.177.169	1.236.169	1.47.170	1.106.170	1.165.170	1.224.170
1.59.169	1.119.169	1.178.169	1.237.169	1.48.170	1.107.170	1.166.170	1.225.170
1.60.169	1.120.169	1.179.169	1.238.169	1.49.170	1.108.170	1.167.170	1.226.170
1.61.169	1.121.169	1.180.169	1.239.169	1.50.170	1.109.170	1.168.170	1.227.170
1.62.169	1.122.169	1.181.169	1.240.169	1.51.170	1.110.170	1.169.170	1.228.170
1.63.169	1.123.169	1.182.169	1.241.169	1.52.170	1.111.170	1.170.170	1.229.170
1.64.169	1.124.169	1.183.169	1.242.169	1.53.170	1.112.170	1.171.170	1.230.170
1.65.169	1.125.169	1.184.169	1.243.169	1.54.170	1.113.170	1.172.170	1.231.170
1.66.169	1.126.169	1.185.169	1.244.169	1.55.170	1.114.170	1.173.170	1.232.170
1.67.169	1.127.169	1.186.169	1.245.169	1.56.170	1.115.170	1.174.170	1.233.170
1.68.169	1.128.169	1.187.169	1.246.169	1.57.170	1.116.170	1.175.170	1.234.170
1.69.169	1.129.169	1.188.169	1.247.169	1.58.170	1.117.170	1.176.170	1.235.170
1.70.169	1.130.169	1.189.169	1.1.170	1.59.170	1.118.170	1.177.170	1.236.170
1.71.169	1.131.169	1.190.169	1.2.170	1.60.170	1.119.170	1.178.170	1.237.170
1.72.169	1.132.169	1.191.169	1.3.170	1.61.170	1.120.170	1.179.170	1.238.170
1.73.169	1.133.169	1.192.169	1.4.170	1.62.170	1.121.170	1.180.170	1.239.170
1.74.169	1.134.169	1.193.169	1.5.170	1.63.170	1.122.170	1.181.170	1.240.170
1.75.169	1.135.169	1.194.169	1.6.170	1.64.170	1.123.170	1.182.170	1.241.170
1.76.169	1.136.169	1.195.169	1.7.170	1.65.170	1.124.170	1.183.170	1.242.170
1.77.169	1.137.169	1.196.169	1.8.170	1.66.170	1.125.170	1.184.170	1.243.170
1.78.169	1.138.169	1.197.169	1.9.170	1.67.170	1.126.170	1.185.170	1.244.170
1.79.169	1.139.169	1.198.169	1.10.170	1.68.170	1.127.170	1.186.170	1.245.170
1.80.169	1.140.169	1.199.169	1.11.170	1.69.170	1.128.170	1.187.170	1.246.170
1.81.169	1.141.169	1.200.169	1.12.170	1.70.170	1.129.170	1.188.170	1.247.170
1.82.169	1.142.169	1.201.169	1.13.170	1.71.170	1.130.170	1.189.170	1.1.171
1.83.169	1.143.169	1.202.169	1.14.170	1.72.170	1.131.170	1.190.170	1.2.171
1.84.169	1.144.169	1.203.169	1.15.170	1.73.170	1.132.170	1.191.170	1.3.171
1.85.169	1.145.169	1.204.169	1.16.170	1.74.170	1.133.170	1.192.170	1.4.171
1.86.169	1.146.169	1.205.169	1.17.170	1.75.170	1.134.170	1.193.170	1.5.171
1.87.169	1.147.169	1.206.169	1.18.170	1.76.170	1.135.170	1.194.170	1.6.171
1.88.169	1.148.169	1.207.169	1.19.170	1.77.170	1.136.170	1.195.170	1.7.171
1.89.169	1.149.169	1.208.169	1.20.170	1.78.170	1.137.170	1.196.170	1.8.171
1.90.169	1.150.169	1.209.169	1.21.170	1.79.170	1.138.170	1.197.170	1.9.171
1.91.169	1.151.169	1.210.169	1.22.170	1.80.170	1.139.170	1.198.170	1.10.171
1.92.169	1.152.169	1.211.169	1.23.170	1.81.170	1.140.170	1.199.170	1.11.171
1.93.169	1.153.169	1.212.169	1.24.170	1.82.170	1.141.170	1.200.170	1.12.171
1.94.169	1.154.169	1.213.169	1.25.170	1.83.170	1.142.170	1.201.170	1.13.171
1.95.169	1.155.169	1.214.169	1.26.170	1.84.170	1.143.170	1.202.170	1.14.171
1.96.169	1.156.169	1.215.169	1.27.170	1.85.170	1.144.170	1.203.170	1.15.171
1.97.169	1.157.169	1.216.169	1.28.170	1.86.170	1.145.170	1.204.170	1.16.171
1.98.169				1.87.170	1.146.170	1.205.170	1.17.171

				1.7.172	1.66.172	1.125.172	1.184.172
1.19.171	1.78.171	1.137.171	1.196.171	1.8.172	1.67.172	1.126.172	1.185.172
1.20.171	1.79.171	1.138.171	1.197.171	1.9.172	1.68.172	1.127.172	1.186.172
1.21.171	1.80.171	1.139.171	1.198.171	1.10.172	1.69.172	1.128.172	1.187.172
1.22.171	1.81.171	1.140.171	1.199.171	1.11.172	1.70.172	1.129.172	1.188.172
1.23.171	1.82.171	1.141.171	1.200.171	1.12.172	1.71.172	1.130.172	1.189.172
1.24.171	1.83.171	1.142.171	1.201.171	1.13.172	1.72.172	1.131.172	1.190.172
1.25.171	1.84.171	1.143.171	1.202.171	1.14.172	1.73.172	1.132.172	1.191.172
1.26.171	1.85.171	1.144.171	1.203.171	1.15.172	1.74.172	1.133.172	1.192.172
1.27.171	1.86.171	1.145.171	1.204.171	1.16.172	1.75.172	1.134.172	1.193.172
1.28.171	1.87.171	1.146.171	1.205.171	1.17.172	1.76.172	1.135.172	1.194.172
1.29.171	1.88.171	1.147.171	1.206.171	1.18.172	1.77.172	1.136.172	1.195.172
1.30.171	1.89.171	1.148.171	1.207.171	1.19.172	1.78.172	1.137.172	1.196.172
1.31.171	1.90.171	1.149.171	1.208.171	1.20.172	1.79.172	1.138.172	1.197.172
1.32.171	1.91.171	1.150.171	1.209.171	1.21.172	1.80.172	1.139.172	1.198.172
1.33.171	1.92.171	1.151.171	1.210.171	1.22.172	1.81.172	1.140.172	1.199.172
1.34.171	1.93.171	1.152.171	1.211.171	1.23.172	1.82.172	1.141.172	1.200.172
1.35.171	1.94.171	1.153.171	1.212.171	1.24.172	1.83.172	1.142.172	1.201.172
1.36.171	1.95.171	1.154.171	1.213.171	1.25.172	1.84.172	1.143.172	1.202.172
1.37.171	1.96.171	1.155.171	1.214.171	1.26.172	1.85.172	1.144.172	1.203.172
1.38.171	1.97.171	1.156.171	1.215.171	1.27.172	1.86.172	1.145.172	1.204.172
1.39.171	1.98.171	1.157.171	1.216.171	1.28.172	1.87.172	1.146.172	1.205.172
1.40.171	1.99.171	1.158.171	1.217.171	1.29.172	1.88.172	1.147.172	1.206.172
1.41.171	1.100.171	1.159.171	1.218.171	1.30.172	1.89.172	1.148.172	1.207.172
1.42.171	1.101.171	1.160.171	1.219.171	1.31.172	1.90.172	1.149.172	1.208.172
1.43.171	1.102.171	1.161.171	1.220.171	1.32.172	1.91.172	1.150.172	1.209.172
1.44.171	1.103.171	1.162.171	1.221.171	1.33.172	1.92.172	1.151.172	1.210.172
1.45.171	1.104.171	1.163.171	1.222.171	1.34.172	1.93.172	1.152.172	1.211.172
1.46.171	1.105.171	1.164.171	1.223.171	1.35.172	1.94.172	1.153.172	1.212.172
1.47.171	1.106.171	1.165.171	1.224.171	1.36.172	1.95.172	1.154.172	1.213.172
1.48.171	1.107.171	1.166.171	1.225.171	1.37.172	1.96.172	1.155.172	1.214.172
1.49.171	1.108.171	1.167.171	1.226.171	1.38.172	1.97.172	1.156.172	1.215.172
1.50.171	1.109.171	1.168.171	1.227.171	1.39.172	1.98.172	1.157.172	1.216.172
1.51.171	1.110.171	1.169.171	1.228.171	1.40.172	1.99.172	1.158.172	1.217.172
1.52.171	1.111.171	1.170.171	1.229.171	1.41.172	1.100.172	1.159.172	1.218.172
1.53.171	1.112.171	1.171.171	1.230.171	1.42.172	1.101.172	1.160.172	1.219.172
1.54.171	1.113.171	1.172.171	1.231.171	1.43.172	1.102.172	1.161.172	1.220.172
1.55.171	1.114.171	1.173.171	1.232.171	1.44.172	1.103.172	1.162.172	1.221.172
1.56.171	1.115.171	1.174.171	1.233.171	1.45.172	1.104.172	1.163.172	1.222.172
1.57.171	1.116.171	1.175.171	1.234.171	1.46.172	1.105.172	1.164.172	1.223.172
1.58.171	1.117.171	1.176.171	1.235.171	1.47.172	1.106.172	1.165.172	1.224.172
1.59.171	1.118.171	1.177.171	1.236.171	1.48.172	1.107.172	1.166.172	1.225.172
1.60.171	1.119.171	1.178.171	1.237.171	1.49.172	1.108.172	1.167.172	1.226.172
1.61.171	1.120.171	1.179.171	1.238.171	1.50.172	1.109.172	1.168.172	1.227.172
1.62.171	1.121.171	1.180.171	1.239.171	1.51.172	1.110.172	1.169.172	1.228.172
1.63.171	1.122.171	1.181.171	1.240.171	1.52.172	1.111.172	1.170.172	1.229.172
1.64.171	1.123.171	1.182.171	1.241.171	1.53.172	1.112.172	1.171.172	1.230.172
1.65.171	1.124.171	1.183.171	1.242.171	1.54.172	1.113.172	1.172.172	1.231.172
1.66.171	1.125.171	1.184.171	1.243.171	1.55.172	1.114.172	1.173.172	1.232.172
1.67.171	1.126.171	1.185.171	1.244.171	1.56.172	1.115.172	1.174.172	1.233.172
1.68.171	1.127.171	1.186.171	1.245.171	1.57.172	1.116.172	1.175.172	1.234.172
1.69.171	1.128.171	1.187.171	1.246.171	1.58.172	1.117.172	1.176.172	1.235.172
1.70.171	1.129.171	1.188.171	1.247.171	1.59.172	1.118.172	1.177.172	1.236.172
1.71.171	1.130.171	1.189.171	1.1.172	1.60.172	1.119.172	1.178.172	1.237.172
1.72.171	1.131.171	1.190.171	1.2.172	1.61.172	1.120.172	1.179.172	1.238.172
1.73.171	1.132.171	1.191.171	1.3.172	1.62.172	1.121.172	1.180.172	1.239.172
1.74.171	1.133.171	1.192.171	1.4.172	1.63.172	1.122.172	1.181.172	1.240.172
1.75.171	1.134.171	1.193.171	1.5.172	1.64.172	1.123.172	1.182.172	1.241.172
1.76.171	1.135.171	1.194.171	1.6.172	1.65.172	1.124.172	1.183.172	1.242.172

1.232.173	1.44.174	1.103.174	1.162.174
1.244.172	1.56.173	1.115.173	1.174.173
1.245.172	1.57.173	1.116.173	1.175.173
1.246.172	1.58.173	1.117.173	1.176.173
1.247.172	1.59.173	1.118.173	1.177.173
1.1.173	1.60.173	1.119.173	1.178.173
1.2.173	1.61.173	1.120.173	1.179.173
1.3.173	1.62.173	1.121.173	1.180.173
1.4.173	1.63.173	1.122.173	1.181.173
1.5.173	1.64.173	1.123.173	1.182.173
1.6.173	1.65.173	1.124.173	1.183.173
1.7.173	1.66.173	1.125.173	1.184.173
1.8.173	1.67.173	1.126.173	1.185.173
1.9.173	1.68.173	1.127.173	1.186.173
1.10.173	1.69.173	1.128.173	1.187.173
1.11.173	1.70.173	1.129.173	1.188.173
1.12.173	1.71.173	1.130.173	1.189.173
1.13.173	1.72.173	1.131.173	1.190.173
1.14.173	1.73.173	1.132.173	1.191.173
1.15.173	1.74.173	1.133.173	1.192.173
1.16.173	1.75.173	1.134.173	1.193.173
1.17.173	1.76.173	1.135.173	1.194.173
1.18.173	1.77.173	1.136.173	1.195.173
1.19.173	1.78.173	1.137.173	1.196.173
1.20.173	1.79.173	1.138.173	1.197.173
1.21.173	1.80.173	1.139.173	1.198.173
1.22.173	1.81.173	1.140.173	1.199.173
1.23.173	1.82.173	1.141.173	1.200.173
1.24.173	1.83.173	1.142.173	1.201.173
1.25.173	1.84.173	1.143.173	1.202.173
1.26.173	1.85.173	1.144.173	1.203.173
1.27.173	1.86.173	1.145.173	1.204.173
1.28.173	1.87.173	1.146.173	1.205.173
1.29.173	1.88.173	1.147.173	1.206.173
1.30.173	1.89.173	1.148.173	1.207.173
1.31.173	1.90.173	1.149.173	1.208.173
1.32.173	1.91.173	1.150.173	1.209.173
1.33.173	1.92.173	1.151.173	1.210.173
1.34.173	1.93.173	1.152.173	1.211.173
1.35.173	1.94.173	1.153.173	1.212.173
1.36.173	1.95.173	1.154.173	1.213.173
1.37.173	1.96.173	1.155.173	1.214.173
1.38.173	1.97.173	1.156.173	1.215.173
1.39.173	1.98.173	1.157.173	1.216.173
1.40.173	1.99.173	1.158.173	1.217.173
1.41.173	1.100.173	1.159.173	1.218.173
1.42.173	1.101.173	1.160.173	1.219.173
1.43.173	1.102.173	1.161.173	1.220.173
1.44.173	1.103.173	1.162.173	1.221.173
1.45.173	1.104.173	1.163.173	1.222.173
1.46.173	1.105.173	1.164.173	1.223.173
1.47.173	1.106.173	1.165.173	1.224.173
1.48.173	1.107.173	1.166.173	1.225.173
1.49.173	1.108.173	1.167.173	1.226.173
1.50.173	1.109.173	1.168.173	1.227.173
1.51.173	1.110.173	1.169.173	1.228.173
1.52.173	1.111.173	1.170.173	1.229.173
1.53.173	1.112.173	1.171.173	1.230.173
1.54.173	1.113.173	1.172.173	1.231.173
1.232.173	1.44.174	1.103.174	1.162.174
1.233.173	1.45.174	1.104.174	1.163.174
1.234.173	1.46.174	1.105.174	1.164.174
1.235.173	1.47.174	1.106.174	1.165.174
1.236.173	1.48.174	1.107.174	1.166.174
1.237.173	1.49.174	1.108.174	1.167.174
1.238.173	1.50.174	1.109.174	1.168.174
1.239.173	1.51.174	1.110.174	1.169.174
1.240.173	1.52.174	1.111.174	1.170.174
1.241.173	1.53.174	1.112.174	1.171.174
1.242.173	1.54.174	1.113.174	1.172.174
1.243.173	1.55.174	1.114.174	1.173.174
1.244.173	1.56.174	1.115.174	1.174.174
1.245.173	1.57.174	1.116.174	1.175.174
1.246.173	1.58.174	1.117.174	1.176.174
1.247.173	1.59.174	1.118.174	1.177.174
1.1.174	1.60.174	1.119.174	1.178.174
1.2.174	1.61.174	1.120.174	1.179.174
1.3.174	1.62.174	1.121.174	1.180.174
1.4.174	1.63.174	1.122.174	1.181.174
1.5.174	1.64.174	1.123.174	1.182.174
1.6.174	1.65.174	1.124.174	1.183.174
1.7.174	1.66.174	1.125.174	1.184.174
1.8.174	1.67.174	1.126.174	1.185.174
1.9.174	1.68.174	1.127.174	1.186.174
1.10.174	1.69.174	1.128.174	1.187.174
1.11.174	1.70.174	1.129.174	1.188.174
1.12.174	1.71.174	1.130.174	1.189.174
1.13.174	1.72.174	1.131.174	1.190.174
1.14.174	1.73.174	1.132.174	1.191.174
1.15.174	1.74.174	1.133.174	1.192.174
1.16.174	1.75.174	1.134.174	1.193.174
1.17.174	1.76.174	1.135.174	1.194.174
1.18.174	1.77.174	1.136.174	1.195.174
1.19.174	1.78.174	1.137.174	1.196.174
1.20.174	1.79.174	1.138.174	1.197.174
1.21.174	1.80.174	1.139.174	1.198.174
1.22.174	1.81.174	1.140.174	1.199.174
1.23.174	1.82.174	1.141.174	1.200.174
1.24.174	1.83.174	1.142.174	1.201.174
1.25.174	1.84.174	1.143.174	1.202.174
1.26.174	1.85.174	1.144.174	1.203.174
1.27.174	1.86.174	1.145.174	1.204.174
1.28.174	1.87.174	1.146.174	1.205.174
1.29.174	1.88.174	1.147.174	1.206.174
1.30.174	1.89.174	1.148.174	1.207.174
1.31.174	1.90.174	1.149.174	1.208.174
1.32.174	1.91.174	1.150.174	1.209.174
1.33.174	1.92.174	1.151.174	1.210.174
1.34.174	1.93.174	1.152.174	1.211.174
1.35.174	1.94.174	1.153.174	1.212.174
1.36.174	1.95.174	1.154.174	1.213.174
1.37.174	1.96.174	1.155.174	1.214.174
1.38.174	1.97.174	1.156.174	1.215.174
1.39.174	1.98.174	1.157.174	1.216.174
1.40.174	1.99.174	1.158.174	1.217.174
1.41.174	1.100.174	1.159.174	1.218.174
1.42.174	1.101.174	1.160.174	1.219.174
1.43.174	1.102.174	1.161.174	1.220.174

1.221.174	1.33.175	1.92.175	1.151.175	1.210.175	1.22.176	1.81.176	1.140.176
1.222.174	1.34.175	1.93.175	1.152.175	1.211.175	1.23.176	1.82.176	1.141.176
1.223.174	1.35.175	1.94.175	1.153.175	1.212.175	1.24.176	1.83.176	1.142.176
1.224.174	1.36.175	1.95.175	1.154.175	1.213.175	1.25.176	1.84.176	1.143.176
1.225.174	1.37.175	1.96.175	1.155.175	1.214.175	1.26.176	1.85.176	1.144.176
1.226.174	1.38.175	1.97.175	1.156.175	1.215.175	1.27.176	1.86.176	1.145.176
1.227.174	1.39.175	1.98.175	1.157.175	1.216.175	1.28.176	1.87.176	1.146.176
1.228.174	1.40.175	1.99.175	1.158.175	1.217.175	1.29.176	1.88.176	1.147.176
1.229.174	1.41.175	1.100.175	1.159.175	1.218.175	1.30.176	1.89.176	1.148.176
1.230.174	1.42.175	1.101.175	1.160.175	1.219.175	1.31.176	1.90.176	1.149.176
1.231.174	1.43.175	1.102.175	1.161.175	1.220.175	1.32.176	1.91.176	1.150.176
1.232.174	1.44.175	1.103.175	1.162.175	1.221.175	1.33.176	1.92.176	1.151.176
1.233.174	1.45.175	1.104.175	1.163.175	1.222.175	1.34.176	1.93.176	1.152.176
1.234.174	1.46.175	1.105.175	1.164.175	1.223.175	1.35.176	1.94.176	1.153.176
1.235.174	1.47.175	1.106.175	1.165.175	1.224.175	1.36.176	1.95.176	1.154.176
1.236.174	1.48.175	1.107.175	1.166.175	1.225.175	1.37.176	1.96.176	1.155.176
1.237.174	1.49.175	1.108.175	1.167.175	1.226.175	1.38.176	1.97.176	1.156.176
1.238.174	1.50.175	1.109.175	1.168.175	1.227.175	1.39.176	1.98.176	1.157.176
1.239.174	1.51.175	1.110.175	1.169.175	1.228.175	1.40.176	1.99.176	1.158.176
1.240.174	1.52.175	1.111.175	1.170.175	1.229.175	1.41.176	1.100.176	1.159.176
1.241.174	1.53.175	1.112.175	1.171.175	1.230.175	1.42.176	1.101.176	1.160.176
1.242.174	1.54.175	1.113.175	1.172.175	1.231.175	1.43.176	1.102.176	1.161.176
1.243.174	1.55.175	1.114.175	1.173.175	1.232.175	1.44.176	1.103.176	1.162.176
1.244.174	1.56.175	1.115.175	1.174.175	1.233.175	1.45.176	1.104.176	1.163.176
1.245.174	1.57.175	1.116.175	1.175.175	1.234.175	1.46.176	1.105.176	1.164.176
1.246.174	1.58.175	1.117.175	1.176.175	1.235.175	1.47.176	1.106.176	1.165.176
1.247.174	1.59.175	1.118.175	1.177.175	1.236.175	1.48.176	1.107.176	1.166.176
1.1.175	1.60.175	1.119.175	1.178.175	1.237.175	1.49.176	1.108.176	1.167.176
1.2.175	1.61.175	1.120.175	1.179.175	1.238.175	1.50.176	1.109.176	1.168.176
1.3.175	1.62.175	1.121.175	1.180.175	1.239.175	1.51.176	1.110.176	1.169.176
1.4.175	1.63.175	1.122.175	1.181.175	1.240.175	1.52.176	1.111.176	1.170.176
1.5.175	1.64.175	1.123.175	1.182.175	1.241.175	1.53.176	1.112.176	1.171.176
1.6.175	1.65.175	1.124.175	1.183.175	1.242.175	1.54.176	1.113.176	1.172.176
1.7.175	1.66.175	1.125.175	1.184.175	1.243.175	1.55.176	1.114.176	1.173.176
1.8.175	1.67.175	1.126.175	1.185.175	1.244.175	1.56.176	1.115.176	1.174.176
1.9.175	1.68.175	1.127.175	1.186.175	1.245.175	1.57.176	1.116.176	1.175.176
1.10.175	1.69.175	1.128.175	1.187.175	1.246.175	1.58.176	1.117.176	1.176.176
1.11.175	1.70.175	1.129.175	1.188.175	1.247.175	1.59.176	1.118.176	1.177.176
1.12.175	1.71.175	1.130.175	1.189.175	1.1.176	1.60.176	1.119.176	1.178.176
1.13.175	1.72.175	1.131.175	1.190.175	1.2.176	1.61.176	1.120.176	1.179.176
1.14.175	1.73.175	1.132.175	1.191.175	1.3.176	1.62.176	1.121.176	1.180.176
1.15.175	1.74.175	1.133.175	1.192.175	1.4.176	1.63.176	1.122.176	1.181.176
1.16.175	1.75.175	1.134.175	1.193.175	1.5.176	1.64.176	1.123.176	1.182.176
1.17.175	1.76.175	1.135.175	1.194.175	1.6.176	1.65.176	1.124.176	1.183.176
1.18.175	1.77.175	1.136.175	1.195.175	1.7.176	1.66.176	1.125.176	1.184.176
1.19.175	1.78.175	1.137.175	1.196.175	1.8.176	1.67.176	1.126.176	1.185.176
1.20.175	1.79.175	1.138.175	1.197.175	1.9.176	1.68.176	1.127.176	1.186.176
1.21.175	1.80.175	1.139.175	1.198.175	1.10.176	1.69.176	1.128.176	1.187.176
1.22.175	1.81.175	1.140.175	1.199.175	1.11.176	1.70.176	1.129.176	1.188.176
1.23.175	1.82.175	1.141.175	1.200.175	1.12.176	1.71.176	1.130.176	1.189.176
1.24.175	1.83.175	1.142.175	1.201.175	1.13.176	1.72.176	1.131.176	1.190.176
1.25.175	1.84.175	1.143.175	1.202.175	1.14.176	1.73.176	1.132.176	1.191.176
1.26.175	1.85.175	1.144.175	1.203.175	1.15.176	1.74.176	1.133.176	1.192.176
1.27.175	1.86.175	1.145.175	1.204.175	1.16.176	1.75.176	1.134.176	1.193.176
1.28.175	1.87.175	1.146.175	1.205.175	1.17.176	1.76.176	1.135.176	1.194.176
1.29.175	1.88.175	1.147.175	1.206.175	1.18.176	1.77.176	1.136.176	1.195.176
1.30.175	1.89.175	1.148.175	1.207.175	1.19.176	1.78.176	1.137.176	1.196.176
1.31.175	1.90.175	1.149.175	1.208.175	1.20.176	1.79.176	1.138.176	1.197.176
1.32.175	1.91.175	1.150.175	1.209.175	1.21.176	1.80.176	1.139.176	1.198.176

				1.188.177	1.247.177	1.59.178	1.118.178
1.200.176	1.12.177	1.71.177	1.130.177	1.189.177	1.1.178	1.60.178	1.119.178
1.201.176	1.13.177	1.72.177	1.131.177	1.190.177	1.2.178	1.61.178	1.120.178
1.202.176	1.14.177	1.73.177	1.132.177	1.191.177	1.3.178	1.62.178	1.121.178
1.203.176	1.15.177	1.74.177	1.133.177	1.192.177	1.4.178	1.63.178	1.122.178
1.204.176	1.16.177	1.75.177	1.134.177	1.193.177	1.5.178	1.64.178	1.123.178
1.205.176	1.17.177	1.76.177	1.135.177	1.194.177	1.6.178	1.65.178	1.124.178
1.206.176	1.18.177	1.77.177	1.136.177	1.195.177	1.7.178	1.66.178	1.125.178
1.207.176	1.19.177	1.78.177	1.137.177	1.196.177	1.8.178	1.67.178	1.126.178
1.208.176	1.20.177	1.79.177	1.138.177	1.197.177	1.9.178	1.68.178	1.127.178
1.209.176	1.21.177	1.80.177	1.139.177	1.198.177	1.10.178	1.69.178	1.128.178
1.210.176	1.22.177	1.81.177	1.140.177	1.199.177	1.11.178	1.70.178	1.129.178
1.211.176	1.23.177	1.82.177	1.141.177	1.200.177	1.12.178	1.71.178	1.130.178
1.212.176	1.24.177	1.83.177	1.142.177	1.201.177	1.13.178	1.72.178	1.131.178
1.213.176	1.25.177	1.84.177	1.143.177	1.202.177	1.14.178	1.73.178	1.132.178
1.214.176	1.26.177	1.85.177	1.144.177	1.203.177	1.15.178	1.74.178	1.133.178
1.215.176	1.27.177	1.86.177	1.145.177	1.204.177	1.16.178	1.75.178	1.134.178
1.216.176	1.28.177	1.87.177	1.146.177	1.205.177	1.17.178	1.76.178	1.135.178
1.217.176	1.29.177	1.88.177	1.147.177	1.206.177	1.18.178	1.77.178	1.136.178
1.218.176	1.30.177	1.89.177	1.148.177	1.207.177	1.19.178	1.78.178	1.137.178
1.219.176	1.31.177	1.90.177	1.149.177	1.208.177	1.20.178	1.79.178	1.138.178
1.220.176	1.32.177	1.91.177	1.150.177	1.209.177	1.21.178	1.80.178	1.139.178
1.221.176	1.33.177	1.92.177	1.151.177	1.210.177	1.22.178	1.81.178	1.140.178
1.222.176	1.34.177	1.93.177	1.152.177	1.211.177	1.23.178	1.82.178	1.141.178
1.223.176	1.35.177	1.94.177	1.153.177	1.212.177	1.24.178	1.83.178	1.142.178
1.224.176	1.36.177	1.95.177	1.154.177	1.213.177	1.25.178	1.84.178	1.143.178
1.225.176	1.37.177	1.96.177	1.155.177	1.214.177	1.26.178	1.85.178	1.144.178
1.226.176	1.38.177	1.97.177	1.156.177	1.215.177	1.27.178	1.86.178	1.145.178
1.227.176	1.39.177	1.98.177	1.157.177	1.216.177	1.28.178	1.87.178	1.146.178
1.228.176	1.40.177	1.99.177	1.158.177	1.217.177	1.29.178	1.88.178	1.147.178
1.229.176	1.41.177	1.100.177	1.159.177	1.218.177	1.30.178	1.89.178	1.148.178
1.230.176	1.42.177	1.101.177	1.160.177	1.219.177	1.31.178	1.90.178	1.149.178
1.231.176	1.43.177	1.102.177	1.161.177	1.220.177	1.32.178	1.91.178	1.150.178
1.232.176	1.44.177	1.103.177	1.162.177	1.221.177	1.33.178	1.92.178	1.151.178
1.233.176	1.45.177	1.104.177	1.163.177	1.222.177	1.34.178	1.93.178	1.152.178
1.234.176	1.46.177	1.105.177	1.164.177	1.223.177	1.35.178	1.94.178	1.153.178
1.235.176	1.47.177	1.106.177	1.165.177	1.224.177	1.36.178	1.95.178	1.154.178
1.236.176	1.48.177	1.107.177	1.166.177	1.225.177	1.37.178	1.96.178	1.155.178
1.237.176	1.49.177	1.108.177	1.167.177	1.226.177	1.38.178	1.97.178	1.156.178
1.238.176	1.50.177	1.109.177	1.168.177	1.227.177	1.39.178	1.98.178	1.157.178
1.239.176	1.51.177	1.110.177	1.169.177	1.228.177	1.40.178	1.99.178	1.158.178
1.240.176	1.52.177	1.111.177	1.170.177	1.229.177	1.41.178	1.100.178	1.159.178
1.241.176	1.53.177	1.112.177	1.171.177	1.230.177	1.42.178	1.101.178	1.160.178
1.242.176	1.54.177	1.113.177	1.172.177	1.231.177	1.43.178	1.102.178	1.161.178
1.243.176	1.55.177	1.114.177	1.173.177	1.232.177	1.44.178	1.103.178	1.162.178
1.244.176	1.56.177	1.115.177	1.174.177	1.233.177	1.45.178	1.104.178	1.163.178
1.245.176	1.57.177	1.116.177	1.175.177	1.234.177	1.46.178	1.105.178	1.164.178
1.246.176	1.58.177	1.117.177	1.176.177	1.235.177	1.47.178	1.106.178	1.165.178
1.247.176	1.59.177	1.118.177	1.177.177	1.236.177	1.48.178	1.107.178	1.166.178
1.1.177	1.60.177	1.119.177	1.178.177	1.237.177	1.49.178	1.108.178	1.167.178
1.2.177	1.61.177	1.120.177	1.179.177	1.238.177	1.50.178	1.109.178	1.168.178
1.3.177	1.62.177	1.121.177	1.180.177	1.239.177	1.51.178	1.110.178	1.169.178
1.4.177	1.63.177	1.122.177	1.181.177	1.240.177	1.52.178	1.111.178	1.170.178
1.5.177	1.64.177	1.123.177	1.182.177	1.241.177	1.53.178	1.112.178	1.171.178
1.6.177	1.65.177	1.124.177	1.183.177	1.242.177	1.54.178	1.113.178	1.172.178
1.7.177	1.66.177	1.125.177	1.184.177	1.243.177	1.55.178	1.114.178	1.173.178
1.8.177	1.67.177	1.126.177	1.185.177	1.244.177	1.56.178	1.115.178	1.174.178
1.9.177	1.68.177	1.127.177	1.186.177	1.245.177	1.57.178	1.116.178	1.175.178
1.10.177	1.69.177	1.128.177	1.187.177	1.246.177	1.58.178	1.117.178	1.176.178

1.178.178	1.237.178	1.49.179	1.108.179	1.166.179	1.225.179	1.37.180	1.96.180
1.179.178	1.238.178	1.50.179	1.109.179	1.167.179	1.226.179	1.38.180	1.97.180
1.180.178	1.239.178	1.51.179	1.110.179	1.168.179	1.227.179	1.39.180	1.98.180
1.181.178	1.240.178	1.52.179	1.111.179	1.169.179	1.228.179	1.40.180	1.99.180
1.182.178	1.241.178	1.53.179	1.112.179	1.170.179	1.229.179	1.41.180	1.100.180
1.183.178	1.242.178	1.54.179	1.113.179	1.171.179	1.230.179	1.42.180	1.101.180
1.184.178	1.243.178	1.55.179	1.114.179	1.172.179	1.231.179	1.43.180	1.102.180
1.185.178	1.244.178	1.56.179	1.115.179	1.173.179	1.232.179	1.44.180	1.103.180
1.186.178	1.245.178	1.57.179	1.116.179	1.174.179	1.233.179	1.45.180	1.104.180
1.187.178	1.246.178	1.58.179	1.117.179	1.175.179	1.234.179	1.46.180	1.105.180
1.188.178	1.247.178	1.59.179	1.118.179	1.176.179	1.235.179	1.47.180	1.106.180
1.189.178	1.1.179	1.60.179	1.119.179	1.177.179	1.236.179	1.48.180	1.107.180
1.190.178	1.2.179	1.61.179	1.120.179	1.178.179	1.237.179	1.49.180	1.108.180
1.191.178	1.3.179	1.62.179	1.121.179	1.179.179	1.238.179	1.50.180	1.109.180
1.192.178	1.4.179	1.63.179	1.122.179	1.180.179	1.239.179	1.51.180	1.110.180
1.193.178	1.5.179	1.64.179	1.123.179	1.181.179	1.240.179	1.52.180	1.111.180
1.194.178	1.6.179	1.65.179	1.124.179	1.182.179	1.241.179	1.53.180	1.112.180
1.195.178	1.7.179	1.66.179	1.125.179	1.183.179	1.242.179	1.54.180	1.113.180
1.196.178	1.8.179	1.67.179	1.126.179	1.184.179	1.243.179	1.55.180	1.114.180
1.197.178	1.9.179	1.68.179	1.127.179	1.185.179	1.244.179	1.56.180	1.115.180
1.198.178	1.10.179	1.69.179	1.128.179	1.186.179	1.245.179	1.57.180	1.116.180
1.199.178	1.11.179	1.70.179	1.129.179	1.187.179	1.246.179	1.58.180	1.117.180
1.200.178	1.12.179	1.71.179	1.130.179	1.188.179	1.247.179	1.59.180	1.118.180
1.201.178	1.13.179	1.72.179	1.131.179	1.189.179	1.1.180	1.60.180	1.119.180
1.202.178	1.14.179	1.73.179	1.132.179	1.190.179	1.2.180	1.61.180	1.120.180
1.203.178	1.15.179	1.74.179	1.133.179	1.191.179	1.3.180	1.62.180	1.121.180
1.204.178	1.16.179	1.75.179	1.134.179	1.192.179	1.4.180	1.63.180	1.122.180
1.205.178	1.17.179	1.76.179	1.135.179	1.193.179	1.5.180	1.64.180	1.123.180
1.206.178	1.18.179	1.77.179	1.136.179	1.194.179	1.6.180	1.65.180	1.124.180
1.207.178	1.19.179	1.78.179	1.137.179	1.195.179	1.7.180	1.66.180	1.125.180
1.208.178	1.20.179	1.79.179	1.138.179	1.196.179	1.8.180	1.67.180	1.126.180
1.209.178	1.21.179	1.80.179	1.139.179	1.197.179	1.9.180	1.68.180	1.127.180
1.210.178	1.22.179	1.81.179	1.140.179	1.198.179	1.10.180	1.69.180	1.128.180
1.211.178	1.23.179	1.82.179	1.141.179	1.199.179	1.11.180	1.70.180	1.129.180
1.212.178	1.24.179	1.83.179	1.142.179	1.200.179	1.12.180	1.71.180	1.130.180
1.213.178	1.25.179	1.84.179	1.143.179	1.201.179	1.13.180	1.72.180	1.131.180
1.214.178	1.26.179	1.85.179	1.144.179	1.202.179	1.14.180	1.73.180	1.132.180
1.215.178	1.27.179	1.86.179	1.145.179	1.203.179	1.15.180	1.74.180	1.133.180
1.216.178	1.28.179	1.87.179	1.146.179	1.204.179	1.16.180	1.75.180	1.134.180
1.217.178	1.29.179	1.88.179	1.147.179	1.205.179	1.17.180	1.76.180	1.135.180
1.218.178	1.30.179	1.89.179	1.148.179	1.206.179	1.18.180	1.77.180	1.136.180
1.219.178	1.31.179	1.90.179	1.149.179	1.207.179	1.19.180	1.78.180	1.137.180
1.220.178	1.32.179	1.91.179	1.150.179	1.208.179	1.20.180	1.79.180	1.138.180
1.221.178	1.33.179	1.92.179	1.151.179	1.209.179	1.21.180	1.80.180	1.139.180
1.222.178	1.34.179	1.93.179	1.152.179	1.210.179	1.22.180	1.81.180	1.140.180
1.223.178	1.35.179	1.94.179	1.153.179	1.211.179	1.23.180	1.82.180	1.141.180
1.224.178	1.36.179	1.95.179	1.154.179	1.212.179	1.24.180	1.83.180	1.142.180
1.225.178	1.37.179	1.96.179	1.155.179	1.213.179	1.25.180	1.84.180	1.143.180
1.226.178	1.38.179	1.97.179	1.156.179	1.214.179	1.26.180	1.85.180	1.144.180
1.227.178	1.39.179	1.98.179	1.157.179	1.215.179	1.27.180	1.86.180	1.145.180
1.228.178	1.40.179	1.99.179	1.158.179	1.216.179	1.28.180	1.87.180	1.146.180
1.229.178	1.41.179	1.100.179	1.159.179	1.217.179	1.29.180	1.88.180	1.147.180
1.230.178	1.42.179	1.101.179	1.160.179	1.218.179	1.30.180	1.89.180	1.148.180
1.231.178	1.43.179	1.102.179	1.161.179	1.219.179	1.31.180	1.90.180	1.149.180
1.232.178	1.44.179	1.103.179	1.162.179	1.220.179	1.32.180	1.91.180	1.150.180
1.233.178	1.45.179	1.104.179	1.163.179	1.221.179	1.33.180	1.92.180	1.151.180
1.234.178	1.46.179	1.105.179	1.164.179	1.222.179	1.34.180	1.93.180	1.152.180
1.235.178	1.47.179	1.106.179	1.165.179	1.223.179	1.35.180	1.94.180	1.153.180
				1.224.179	1.36.180	1.95.180	1.154.180



				1.144.181	1.203.181	1.15.182	1.74.182
1.156.180	1.215.180	1.27.181	1.86.181	1.145.181	1.204.181	1.16.182	1.75.182
1.157.180	1.216.180	1.28.181	1.87.181	1.146.181	1.205.181	1.17.182	1.76.182
1.158.180	1.217.180	1.29.181	1.88.181	1.147.181	1.206.181	1.18.182	1.77.182
1.159.180	1.218.180	1.30.181	1.89.181	1.148.181	1.207.181	1.19.182	1.78.182
1.160.180	1.219.180	1.31.181	1.90.181	1.149.181	1.208.181	1.20.182	1.79.182
1.161.180	1.220.180	1.32.181	1.91.181	1.150.181	1.209.181	1.21.182	1.80.182
1.162.180	1.221.180	1.33.181	1.92.181	1.151.181	1.210.181	1.22.182	1.81.182
1.163.180	1.222.180	1.34.181	1.93.181	1.152.181	1.211.181	1.23.182	1.82.182
1.164.180	1.223.180	1.35.181	1.94.181	1.153.181	1.212.181	1.24.182	1.83.182
1.165.180	1.224.180	1.36.181	1.95.181	1.154.181	1.213.181	1.25.182	1.84.182
1.166.180	1.225.180	1.37.181	1.96.181	1.155.181	1.214.181	1.26.182	1.85.182
1.167.180	1.226.180	1.38.181	1.97.181	1.156.181	1.215.181	1.27.182	1.86.182
1.168.180	1.227.180	1.39.181	1.98.181	1.157.181	1.216.181	1.28.182	1.87.182
1.169.180	1.228.180	1.40.181	1.99.181	1.158.181	1.217.181	1.29.182	1.88.182
1.170.180	1.229.180	1.41.181	1.100.181	1.159.181	1.218.181	1.30.182	1.89.182
1.171.180	1.230.180	1.42.181	1.101.181	1.160.181	1.219.181	1.31.182	1.90.182
1.172.180	1.231.180	1.43.181	1.102.181	1.161.181	1.220.181	1.32.182	1.91.182
1.173.180	1.232.180	1.44.181	1.103.181	1.162.181	1.221.181	1.33.182	1.92.182
1.174.180	1.233.180	1.45.181	1.104.181	1.163.181	1.222.181	1.34.182	1.93.182
1.175.180	1.234.180	1.46.181	1.105.181	1.164.181	1.223.181	1.35.182	1.94.182
1.176.180	1.235.180	1.47.181	1.106.181	1.165.181	1.224.181	1.36.182	1.95.182
1.177.180	1.236.180	1.48.181	1.107.181	1.166.181	1.225.181	1.37.182	1.96.182
1.178.180	1.237.180	1.49.181	1.108.181	1.167.181	1.226.181	1.38.182	1.97.182
1.179.180	1.238.180	1.50.181	1.109.181	1.168.181	1.227.181	1.39.182	1.98.182
1.180.180	1.239.180	1.51.181	1.110.181	1.169.181	1.228.181	1.40.182	1.99.182
1.181.180	1.240.180	1.52.181	1.111.181	1.170.181	1.229.181	1.41.182	1.100.182
1.182.180	1.241.180	1.53.181	1.112.181	1.171.181	1.230.181	1.42.182	1.101.182
1.183.180	1.242.180	1.54.181	1.113.181	1.172.181	1.231.181	1.43.182	1.102.182
1.184.180	1.243.180	1.55.181	1.114.181	1.173.181	1.232.181	1.44.182	1.103.182
1.185.180	1.244.180	1.56.181	1.115.181	1.174.181	1.233.181	1.45.182	1.104.182
1.186.180	1.245.180	1.57.181	1.116.181	1.175.181	1.234.181	1.46.182	1.105.182
1.187.180	1.246.180	1.58.181	1.117.181	1.176.181	1.235.181	1.47.182	1.106.182
1.188.180	1.247.180	1.59.181	1.118.181	1.177.181	1.236.181	1.48.182	1.107.182
1.189.180	1.1.181	1.60.181	1.119.181	1.178.181	1.237.181	1.49.182	1.108.182
1.190.180	1.2.181	1.61.181	1.120.181	1.179.181	1.238.181	1.50.182	1.109.182
1.191.180	1.3.181	1.62.181	1.121.181	1.180.181	1.239.181	1.51.182	1.110.182
1.192.180	1.4.181	1.63.181	1.122.181	1.181.181	1.240.181	1.52.182	1.111.182
1.193.180	1.5.181	1.64.181	1.123.181	1.182.181	1.241.181	1.53.182	1.112.182
1.194.180	1.6.181	1.65.181	1.124.181	1.183.181	1.242.181	1.54.182	1.113.182
1.195.180	1.7.181	1.66.181	1.125.181	1.184.181	1.243.181	1.55.182	1.114.182
1.196.180	1.8.181	1.67.181	1.126.181	1.185.181	1.244.181	1.56.182	1.115.182
1.197.180	1.9.181	1.68.181	1.127.181	1.186.181	1.245.181	1.57.182	1.116.182
1.198.180	1.10.181	1.69.181	1.128.181	1.187.181	1.246.181	1.58.182	1.117.182
1.199.180	1.11.181	1.70.181	1.129.181	1.188.181	1.247.181	1.59.182	1.118.182
1.200.180	1.12.181	1.71.181	1.130.181	1.189.181	1.1.182	1.60.182	1.119.182
1.201.180	1.13.181	1.72.181	1.131.181	1.190.181	1.2.182	1.61.182	1.120.182
1.202.180	1.14.181	1.73.181	1.132.181	1.191.181	1.3.182	1.62.182	1.121.182
1.203.180	1.15.181	1.74.181	1.133.181	1.192.181	1.4.182	1.63.182	1.122.182
1.204.180	1.16.181	1.75.181	1.134.181	1.193.181	1.5.182	1.64.182	1.123.182
1.205.180	1.17.181	1.76.181	1.135.181	1.194.181	1.6.182	1.65.182	1.124.182
1.206.180	1.18.181	1.77.181	1.136.181	1.195.181	1.7.182	1.66.182	1.125.182
1.207.180	1.19.181	1.78.181	1.137.181	1.196.181	1.8.182	1.67.182	1.126.182
1.208.180	1.20.181	1.79.181	1.138.181	1.197.181	1.9.182	1.68.182	1.127.182
1.209.180	1.21.181	1.80.181	1.139.181	1.198.181	1.10.182	1.69.182	1.128.182
1.210.180	1.22.181	1.81.181	1.140.181	1.199.181	1.11.182	1.70.182	1.129.182
1.211.180	1.23.181	1.82.181	1.141.181	1.200.181	1.12.182	1.71.182	1.130.182
1.212.180	1.24.181	1.83.181	1.142.181	1.201.181	1.13.182	1.72.182	1.131.182
1.213.180	1.25.181	1.84.181	1.143.181	1.202.181	1.14.182	1.73.182	1.132.182

				1.122.183	1.181.183	1.240.183	1.52.184
1.134.182	1.193.182	1.5.183	1.64.183	1.123.183	1.182.183	1.241.183	1.53.184
1.135.182	1.194.182	1.6.183	1.65.183	1.124.183	1.183.183	1.242.183	1.54.184
1.136.182	1.195.182	1.7.183	1.66.183	1.125.183	1.184.183	1.243.183	1.55.184
1.137.182	1.196.182	1.8.183	1.67.183	1.126.183	1.185.183	1.244.183	1.56.184
1.138.182	1.197.182	1.9.183	1.68.183	1.127.183	1.186.183	1.245.183	1.57.184
1.139.182	1.198.182	1.10.183	1.69.183	1.128.183	1.187.183	1.246.183	1.58.184
1.140.182	1.199.182	1.11.183	1.70.183	1.129.183	1.188.183	1.247.183	1.59.184
1.141.182	1.200.182	1.12.183	1.71.183	1.130.183	1.189.183	1.1.184	1.60.184
1.142.182	1.201.182	1.13.183	1.72.183	1.131.183	1.190.183	1.2.184	1.61.184
1.143.182	1.202.182	1.14.183	1.73.183	1.132.183	1.191.183	1.3.184	1.62.184
1.144.182	1.203.182	1.15.183	1.74.183	1.133.183	1.192.183	1.4.184	1.63.184
1.145.182	1.204.182	1.16.183	1.75.183	1.134.183	1.193.183	1.5.184	1.64.184
1.146.182	1.205.182	1.17.183	1.76.183	1.135.183	1.194.183	1.6.184	1.65.184
1.147.182	1.206.182	1.18.183	1.77.183	1.136.183	1.195.183	1.7.184	1.66.184
1.148.182	1.207.182	1.19.183	1.78.183	1.137.183	1.196.183	1.8.184	1.67.184
1.149.182	1.208.182	1.20.183	1.79.183	1.138.183	1.197.183	1.9.184	1.68.184
1.150.182	1.209.182	1.21.183	1.80.183	1.139.183	1.198.183	1.10.184	1.69.184
1.151.182	1.210.182	1.22.183	1.81.183	1.140.183	1.199.183	1.11.184	1.70.184
1.152.182	1.211.182	1.23.183	1.82.183	1.141.183	1.200.183	1.12.184	1.71.184
1.153.182	1.212.182	1.24.183	1.83.183	1.142.183	1.201.183	1.13.184	1.72.184
1.154.182	1.213.182	1.25.183	1.84.183	1.143.183	1.202.183	1.14.184	1.73.184
1.155.182	1.214.182	1.26.183	1.85.183	1.144.183	1.203.183	1.15.184	1.74.184
1.156.182	1.215.182	1.27.183	1.86.183	1.145.183	1.204.183	1.16.184	1.75.184
1.157.182	1.216.182	1.28.183	1.87.183	1.146.183	1.205.183	1.17.184	1.76.184
1.158.182	1.217.182	1.29.183	1.88.183	1.147.183	1.206.183	1.18.184	1.77.184
1.159.182	1.218.182	1.30.183	1.89.183	1.148.183	1.207.183	1.19.184	1.78.184
1.160.182	1.219.182	1.31.183	1.90.183	1.149.183	1.208.183	1.20.184	1.79.184
1.161.182	1.220.182	1.32.183	1.91.183	1.150.183	1.209.183	1.21.184	1.80.184
1.162.182	1.221.182	1.33.183	1.92.183	1.151.183	1.210.183	1.22.184	1.81.184
1.163.182	1.222.182	1.34.183	1.93.183	1.152.183	1.211.183	1.23.184	1.82.184
1.164.182	1.223.182	1.35.183	1.94.183	1.153.183	1.212.183	1.24.184	1.83.184
1.165.182	1.224.182	1.36.183	1.95.183	1.154.183	1.213.183	1.25.184	1.84.184
1.166.182	1.225.182	1.37.183	1.96.183	1.155.183	1.214.183	1.26.184	1.85.184
1.167.182	1.226.182	1.38.183	1.97.183	1.156.183	1.215.183	1.27.184	1.86.184
1.168.182	1.227.182	1.39.183	1.98.183	1.157.183	1.216.183	1.28.184	1.87.184
1.169.182	1.228.182	1.40.183	1.99.183	1.158.183	1.217.183	1.29.184	1.88.184
1.170.182	1.229.182	1.41.183	1.100.183	1.159.183	1.218.183	1.30.184	1.89.184
1.171.182	1.230.182	1.42.183	1.101.183	1.160.183	1.219.183	1.31.184	1.90.184
1.172.182	1.231.182	1.43.183	1.102.183	1.161.183	1.220.183	1.32.184	1.91.184
1.173.182	1.232.182	1.44.183	1.103.183	1.162.183	1.221.183	1.33.184	1.92.184
1.174.182	1.233.182	1.45.183	1.104.183	1.163.183	1.222.183	1.34.184	1.93.184
1.175.182	1.234.182	1.46.183	1.105.183	1.164.183	1.223.183	1.35.184	1.94.184
1.176.182	1.235.182	1.47.183	1.106.183	1.165.183	1.224.183	1.36.184	1.95.184
1.177.182	1.236.182	1.48.183	1.107.183	1.166.183	1.225.183	1.37.184	1.96.184
1.178.182	1.237.182	1.49.183	1.108.183	1.167.183	1.226.183	1.38.184	1.97.184
1.179.182	1.238.182	1.50.183	1.109.183	1.168.183	1.227.183	1.39.184	1.98.184
1.180.182	1.239.182	1.51.183	1.110.183	1.169.183	1.228.183	1.40.184	1.99.184
1.181.182	1.240.182	1.52.183	1.111.183	1.170.183	1.229.183	1.41.184	1.100.184
1.182.182	1.241.182	1.53.183	1.112.183	1.171.183	1.230.183	1.42.184	1.101.184
1.183.182	1.242.182	1.54.183	1.113.183	1.172.183	1.231.183	1.43.184	1.102.184
1.184.182	1.243.182	1.55.183	1.114.183	1.173.183	1.232.183	1.44.184	1.103.184
1.185.182	1.244.182	1.56.183	1.115.183	1.174.183	1.233.183	1.45.184	1.104.184
1.186.182	1.245.182	1.57.183	1.116.183	1.175.183	1.234.183	1.46.184	1.105.184
1.187.182	1.246.182	1.58.183	1.117.183	1.176.183	1.235.183	1.47.184	1.106.184
1.188.182	1.247.182	1.59.183	1.118.183	1.177.183	1.236.183	1.48.184	1.107.184
1.189.182	1.1.183	1.60.183	1.119.183	1.178.183	1.237.183	1.49.184	1.108.184
1.190.182	1.2.183	1.61.183	1.120.183	1.179.183	1.238.183	1.50.184	1.109.184
1.191.182	1.3.183	1.62.183	1.121.183	1.180.183	1.239.183	1.51.184	1.110.184

1.112.184	1.171.184	1.230.184	1.42.185	1.100.185	1.159.185	1.218.185	1.30.186
1.113.184	1.172.184	1.231.184	1.43.185	1.101.185	1.160.185	1.219.185	1.31.186
1.114.184	1.173.184	1.232.184	1.44.185	1.102.185	1.161.185	1.220.185	1.32.186
1.115.184	1.174.184	1.233.184	1.45.185	1.103.185	1.162.185	1.221.185	1.33.186
1.116.184	1.175.184	1.234.184	1.46.185	1.104.185	1.163.185	1.222.185	1.34.186
1.117.184	1.176.184	1.235.184	1.47.185	1.105.185	1.164.185	1.223.185	1.35.186
1.118.184	1.177.184	1.236.184	1.48.185	1.106.185	1.165.185	1.224.185	1.36.186
1.119.184	1.178.184	1.237.184	1.49.185	1.107.185	1.166.185	1.225.185	1.37.186
1.120.184	1.179.184	1.238.184	1.50.185	1.108.185	1.167.185	1.226.185	1.38.186
1.121.184	1.180.184	1.239.184	1.51.185	1.109.185	1.168.185	1.227.185	1.39.186
1.122.184	1.181.184	1.240.184	1.52.185	1.110.185	1.169.185	1.228.185	1.40.186
1.123.184	1.182.184	1.241.184	1.53.185	1.111.185	1.170.185	1.229.185	1.41.186
1.124.184	1.183.184	1.242.184	1.54.185	1.112.185	1.171.185	1.230.185	1.42.186
1.125.184	1.184.184	1.243.184	1.55.185	1.113.185	1.172.185	1.231.185	1.43.186
1.126.184	1.185.184	1.244.184	1.56.185	1.114.185	1.173.185	1.232.185	1.44.186
1.127.184	1.186.184	1.245.184	1.57.185	1.115.185	1.174.185	1.233.185	1.45.186
1.128.184	1.187.184	1.246.184	1.58.185	1.116.185	1.175.185	1.234.185	1.46.186
1.129.184	1.188.184	1.247.184	1.59.185	1.117.185	1.176.185	1.235.185	1.47.186
1.130.184	1.189.184	1.1.185	1.60.185	1.118.185	1.177.185	1.236.185	1.48.186
1.131.184	1.190.184	1.2.185	1.61.185	1.119.185	1.178.185	1.237.185	1.49.186
1.132.184	1.191.184	1.3.185	1.62.185	1.120.185	1.179.185	1.238.185	1.50.186
1.133.184	1.192.184	1.4.185	1.63.185	1.121.185	1.180.185	1.239.185	1.51.186
1.134.184	1.193.184	1.5.185	1.64.185	1.122.185	1.181.185	1.240.185	1.52.186
1.135.184	1.194.184	1.6.185	1.65.185	1.123.185	1.182.185	1.241.185	1.53.186
1.136.184	1.195.184	1.7.185	1.66.185	1.124.185	1.183.185	1.242.185	1.54.186
1.137.184	1.196.184	1.8.185	1.67.185	1.125.185	1.184.185	1.243.185	1.55.186
1.138.184	1.197.184	1.9.185	1.68.185	1.126.185	1.185.185	1.244.185	1.56.186
1.139.184	1.198.184	1.10.185	1.69.185	1.127.185	1.186.185	1.245.185	1.57.186
1.140.184	1.199.184	1.11.185	1.70.185	1.128.185	1.187.185	1.246.185	1.58.186
1.141.184	1.200.184	1.12.185	1.71.185	1.129.185	1.188.185	1.247.185	1.59.186
1.142.184	1.201.184	1.13.185	1.72.185	1.130.185	1.189.185	1.1.186	1.60.186
1.143.184	1.202.184	1.14.185	1.73.185	1.131.185	1.190.185	1.2.186	1.61.186
1.144.184	1.203.184	1.15.185	1.74.185	1.132.185	1.191.185	1.3.186	1.62.186
1.145.184	1.204.184	1.16.185	1.75.185	1.133.185	1.192.185	1.4.186	1.63.186
1.146.184	1.205.184	1.17.185	1.76.185	1.134.185	1.193.185	1.5.186	1.64.186
1.147.184	1.206.184	1.18.185	1.77.185	1.135.185	1.194.185	1.6.186	1.65.186
1.148.184	1.207.184	1.19.185	1.78.185	1.136.185	1.195.185	1.7.186	1.66.186
1.149.184	1.208.184	1.20.185	1.79.185	1.137.185	1.196.185	1.8.186	1.67.186
1.150.184	1.209.184	1.21.185	1.80.185	1.138.185	1.197.185	1.9.186	1.68.186
1.151.184	1.210.184	1.22.185	1.81.185	1.139.185	1.198.185	1.10.186	1.69.186
1.152.184	1.211.184	1.23.185	1.82.185	1.140.185	1.199.185	1.11.186	1.70.186
1.153.184	1.212.184	1.24.185	1.83.185	1.141.185	1.200.185	1.12.186	1.71.186
1.154.184	1.213.184	1.25.185	1.84.185	1.142.185	1.201.185	1.13.186	1.72.186
1.155.184	1.214.184	1.26.185	1.85.185	1.143.185	1.202.185	1.14.186	1.73.186
1.156.184	1.215.184	1.27.185	1.86.185	1.144.185	1.203.185	1.15.186	1.74.186
1.157.184	1.216.184	1.28.185	1.87.185	1.145.185	1.204.185	1.16.186	1.75.186
1.158.184	1.217.184	1.29.185	1.88.185	1.146.185	1.205.185	1.17.186	1.76.186
1.159.184	1.218.184	1.30.185	1.89.185	1.147.185	1.206.185	1.18.186	1.77.186
1.160.184	1.219.184	1.31.185	1.90.185	1.148.185	1.207.185	1.19.186	1.78.186
1.161.184	1.220.184	1.32.185	1.91.185	1.149.185	1.208.185	1.20.186	1.79.186
1.162.184	1.221.184	1.33.185	1.92.185	1.150.185	1.209.185	1.21.186	1.80.186
1.163.184	1.222.184	1.34.185	1.93.185	1.151.185	1.210.185	1.22.186	1.81.186
1.164.184	1.223.184	1.35.185	1.94.185	1.152.185	1.211.185	1.23.186	1.82.186
1.165.184	1.224.184	1.36.185	1.95.185	1.153.185	1.212.185	1.24.186	1.83.186
1.166.184	1.225.184	1.37.185	1.96.185	1.154.185	1.213.185	1.25.186	1.84.186
1.167.184	1.226.184	1.38.185	1.97.185	1.155.185	1.214.185	1.26.186	1.85.186
1.168.184	1.227.184	1.39.185	1.98.185	1.156.185	1.215.185	1.27.186	1.86.186
1.169.184	1.228.184	1.40.185	1.99.185	1.157.185	1.216.185	1.28.186	1.87.186
				1.158.185	1.217.185	1.29.186	1.88.186

				1.78.187	1.137.187	1.196.187	1.8.188
1.90.186	1.149.186	1.208.186	1.20.187	1.79.187	1.138.187	1.197.187	1.9.188
1.91.186	1.150.186	1.209.186	1.21.187	1.80.187	1.139.187	1.198.187	1.10.188
1.92.186	1.151.186	1.210.186	1.22.187	1.81.187	1.140.187	1.199.187	1.11.188
1.93.186	1.152.186	1.211.186	1.23.187	1.82.187	1.141.187	1.200.187	1.12.188
1.94.186	1.153.186	1.212.186	1.24.187	1.83.187	1.142.187	1.201.187	1.13.188
1.95.186	1.154.186	1.213.186	1.25.187	1.84.187	1.143.187	1.202.187	1.14.188
1.96.186	1.155.186	1.214.186	1.26.187	1.85.187	1.144.187	1.203.187	1.15.188
1.97.186	1.156.186	1.215.186	1.27.187	1.86.187	1.145.187	1.204.187	1.16.188
1.98.186	1.157.186	1.216.186	1.28.187	1.87.187	1.146.187	1.205.187	1.17.188
1.99.186	1.158.186	1.217.186	1.29.187	1.88.187	1.147.187	1.206.187	1.18.188
1.100.186	1.159.186	1.218.186	1.30.187	1.89.187	1.148.187	1.207.187	1.19.188
1.101.186	1.160.186	1.219.186	1.31.187	1.90.187	1.149.187	1.208.187	1.20.188
1.102.186	1.161.186	1.220.186	1.32.187	1.91.187	1.150.187	1.209.187	1.21.188
1.103.186	1.162.186	1.221.186	1.33.187	1.92.187	1.151.187	1.210.187	1.22.188
1.104.186	1.163.186	1.222.186	1.34.187	1.93.187	1.152.187	1.211.187	1.23.188
1.105.186	1.164.186	1.223.186	1.35.187	1.94.187	1.153.187	1.212.187	1.24.188
1.106.186	1.165.186	1.224.186	1.36.187	1.95.187	1.154.187	1.213.187	1.25.188
1.107.186	1.166.186	1.225.186	1.37.187	1.96.187	1.155.187	1.214.187	1.26.188
1.108.186	1.167.186	1.226.186	1.38.187	1.97.187	1.156.187	1.215.187	1.27.188
1.109.186	1.168.186	1.227.186	1.39.187	1.98.187	1.157.187	1.216.187	1.28.188
1.110.186	1.169.186	1.228.186	1.40.187	1.99.187	1.158.187	1.217.187	1.29.188
1.111.186	1.170.186	1.229.186	1.41.187	1.100.187	1.159.187	1.218.187	1.30.188
1.112.186	1.171.186	1.230.186	1.42.187	1.101.187	1.160.187	1.219.187	1.31.188
1.113.186	1.172.186	1.231.186	1.43.187	1.102.187	1.161.187	1.220.187	1.32.188
1.114.186	1.173.186	1.232.186	1.44.187	1.103.187	1.162.187	1.221.187	1.33.188
1.115.186	1.174.186	1.233.186	1.45.187	1.104.187	1.163.187	1.222.187	1.34.188
1.116.186	1.175.186	1.234.186	1.46.187	1.105.187	1.164.187	1.223.187	1.35.188
1.117.186	1.176.186	1.235.186	1.47.187	1.106.187	1.165.187	1.224.187	1.36.188
1.118.186	1.177.186	1.236.186	1.48.187	1.107.187	1.166.187	1.225.187	1.37.188
1.119.186	1.178.186	1.237.186	1.49.187	1.108.187	1.167.187	1.226.187	1.38.188
1.120.186	1.179.186	1.238.186	1.50.187	1.109.187	1.168.187	1.227.187	1.39.188
1.121.186	1.180.186	1.239.186	1.51.187	1.110.187	1.169.187	1.228.187	1.40.188
1.122.186	1.181.186	1.240.186	1.52.187	1.111.187	1.170.187	1.229.187	1.41.188
1.123.186	1.182.186	1.241.186	1.53.187	1.112.187	1.171.187	1.230.187	1.42.188
1.124.186	1.183.186	1.242.186	1.54.187	1.113.187	1.172.187	1.231.187	1.43.188
1.125.186	1.184.186	1.243.186	1.55.187	1.114.187	1.173.187	1.232.187	1.44.188
1.126.186	1.185.186	1.244.186	1.56.187	1.115.187	1.174.187	1.233.187	1.45.188
1.127.186	1.186.186	1.245.186	1.57.187	1.116.187	1.175.187	1.234.187	1.46.188
1.128.186	1.187.186	1.246.186	1.58.187	1.117.187	1.176.187	1.235.187	1.47.188
1.129.186	1.188.186	1.247.186	1.59.187	1.118.187	1.177.187	1.236.187	1.48.188
1.130.186	1.189.186	1.1.187	1.60.187	1.119.187	1.178.187	1.237.187	1.49.188
1.131.186	1.190.186	1.2.187	1.61.187	1.120.187	1.179.187	1.238.187	1.50.188
1.132.186	1.191.186	1.3.187	1.62.187	1.121.187	1.180.187	1.239.187	1.51.188
1.133.186	1.192.186	1.4.187	1.63.187	1.122.187	1.181.187	1.240.187	1.52.188
1.134.186	1.193.186	1.5.187	1.64.187	1.123.187	1.182.187	1.241.187	1.53.188
1.135.186	1.194.186	1.6.187	1.65.187	1.124.187	1.183.187	1.242.187	1.54.188
1.136.186	1.195.186	1.7.187	1.66.187	1.125.187	1.184.187	1.243.187	1.55.188
1.137.186	1.196.186	1.8.187	1.67.187	1.126.187	1.185.187	1.244.187	1.56.188
1.138.186	1.197.186	1.9.187	1.68.187	1.127.187	1.186.187	1.245.187	1.57.188
1.139.186	1.198.186	1.10.187	1.69.187	1.128.187	1.187.187	1.246.187	1.58.188
1.140.186	1.199.186	1.11.187	1.70.187	1.129.187	1.188.187	1.247.187	1.59.188
1.141.186	1.200.186	1.12.187	1.71.187	1.130.187	1.189.187	1.1.188	1.60.188
1.142.186	1.201.186	1.13.187	1.72.187	1.131.187	1.190.187	1.2.188	1.61.188
1.143.186	1.202.186	1.14.187	1.73.187	1.132.187	1.191.187	1.3.188	1.62.188
1.144.186	1.203.186	1.15.187	1.74.187	1.133.187	1.192.187	1.4.188	1.63.188
1.145.186	1.204.186	1.16.187	1.75.187	1.134.187	1.193.187	1.5.188	1.64.188
1.146.186	1.205.186	1.17.187	1.76.187	1.135.187	1.194.187	1.6.188	1.65.188
1.147.186	1.206.186	1.18.187	1.77.187	1.136.187	1.195.187	1.7.188	1.66.188

				1.56.189	1.115.189	1.174.189	1.233.189
1.68.188	1.127.188	1.186.188	1.245.188	1.57.189	1.116.189	1.175.189	1.234.189
1.69.188	1.128.188	1.187.188	1.246.188	1.58.189	1.117.189	1.176.189	1.235.189
1.70.188	1.129.188	1.188.188	1.247.188	1.59.189	1.118.189	1.177.189	1.236.189
1.71.188	1.130.188	1.189.188	1.1.189	1.60.189	1.119.189	1.178.189	1.237.189
1.72.188	1.131.188	1.190.188	1.2.189	1.61.189	1.120.189	1.179.189	1.238.189
1.73.188	1.132.188	1.191.188	1.3.189	1.62.189	1.121.189	1.180.189	1.239.189
1.74.188	1.133.188	1.192.188	1.4.189	1.63.189	1.122.189	1.181.189	1.240.189
1.75.188	1.134.188	1.193.188	1.5.189	1.64.189	1.123.189	1.182.189	1.241.189
1.76.188	1.135.188	1.194.188	1.6.189	1.65.189	1.124.189	1.183.189	1.242.189
1.77.188	1.136.188	1.195.188	1.7.189	1.66.189	1.125.189	1.184.189	1.243.189
1.78.188	1.137.188	1.196.188	1.8.189	1.67.189	1.126.189	1.185.189	1.244.189
1.79.188	1.138.188	1.197.188	1.9.189	1.68.189	1.127.189	1.186.189	1.245.189
1.80.188	1.139.188	1.198.188	1.10.189	1.69.189	1.128.189	1.187.189	1.246.189
1.81.188	1.140.188	1.199.188	1.11.189	1.70.189	1.129.189	1.188.189	1.247.189
1.82.188	1.141.188	1.200.188	1.12.189	1.71.189	1.130.189	1.189.189	1.1.190
1.83.188	1.142.188	1.201.188	1.13.189	1.72.189	1.131.189	1.190.189	1.2.190
1.84.188	1.143.188	1.202.188	1.14.189	1.73.189	1.132.189	1.191.189	1.3.190
1.85.188	1.144.188	1.203.188	1.15.189	1.74.189	1.133.189	1.192.189	1.4.190
1.86.188	1.145.188	1.204.188	1.16.189	1.75.189	1.134.189	1.193.189	1.5.190
1.87.188	1.146.188	1.205.188	1.17.189	1.76.189	1.135.189	1.194.189	1.6.190
1.88.188	1.147.188	1.206.188	1.18.189	1.77.189	1.136.189	1.195.189	1.7.190
1.89.188	1.148.188	1.207.188	1.19.189	1.78.189	1.137.189	1.196.189	1.8.190
1.90.188	1.149.188	1.208.188	1.20.189	1.79.189	1.138.189	1.197.189	1.9.190
1.91.188	1.150.188	1.209.188	1.21.189	1.80.189	1.139.189	1.198.189	1.10.190
1.92.188	1.151.188	1.210.188	1.22.189	1.81.189	1.140.189	1.199.189	1.11.190
1.93.188	1.152.188	1.211.188	1.23.189	1.82.189	1.141.189	1.200.189	1.12.190
1.94.188	1.153.188	1.212.188	1.24.189	1.83.189	1.142.189	1.201.189	1.13.190
1.95.188	1.154.188	1.213.188	1.25.189	1.84.189	1.143.189	1.202.189	1.14.190
1.96.188	1.155.188	1.214.188	1.26.189	1.85.189	1.144.189	1.203.189	1.15.190
1.97.188	1.156.188	1.215.188	1.27.189	1.86.189	1.145.189	1.204.189	1.16.190
1.98.188	1.157.188	1.216.188	1.28.189	1.87.189	1.146.189	1.205.189	1.17.190
1.99.188	1.158.188	1.217.188	1.29.189	1.88.189	1.147.189	1.206.189	1.18.190
1.100.188	1.159.188	1.218.188	1.30.189	1.89.189	1.148.189	1.207.189	1.19.190
1.101.188	1.160.188	1.219.188	1.31.189	1.90.189	1.149.189	1.208.189	1.20.190
1.102.188	1.161.188	1.220.188	1.32.189	1.91.189	1.150.189	1.209.189	1.21.190
1.103.188	1.162.188	1.221.188	1.33.189	1.92.189	1.151.189	1.210.189	1.22.190
1.104.188	1.163.188	1.222.188	1.34.189	1.93.189	1.152.189	1.211.189	1.23.190
1.105.188	1.164.188	1.223.188	1.35.189	1.94.189	1.153.189	1.212.189	1.24.190
1.106.188	1.165.188	1.224.188	1.36.189	1.95.189	1.154.189	1.213.189	1.25.190
1.107.188	1.166.188	1.225.188	1.37.189	1.96.189	1.155.189	1.214.189	1.26.190
1.108.188	1.167.188	1.226.188	1.38.189	1.97.189	1.156.189	1.215.189	1.27.190
1.109.188	1.168.188	1.227.188	1.39.189	1.98.189	1.157.189	1.216.189	1.28.190
1.110.188	1.169.188	1.228.188	1.40.189	1.99.189	1.158.189	1.217.189	1.29.190
1.111.188	1.170.188	1.229.188	1.41.189	1.100.189	1.159.189	1.218.189	1.30.190
1.112.188	1.171.188	1.230.188	1.42.189	1.101.189	1.160.189	1.219.189	1.31.190
1.113.188	1.172.188	1.231.188	1.43.189	1.102.189	1.161.189	1.220.189	1.32.190
1.114.188	1.173.188	1.232.188	1.44.189	1.103.189	1.162.189	1.221.189	1.33.190
1.115.188	1.174.188	1.233.188	1.45.189	1.104.189	1.163.189	1.222.189	1.34.190
1.116.188	1.175.188	1.234.188	1.46.189	1.105.189	1.164.189	1.223.189	1.35.190
1.117.188	1.176.188	1.235.188	1.47.189	1.106.189	1.165.189	1.224.189	1.36.190
1.118.188	1.177.188	1.236.188	1.48.189	1.107.189	1.166.189	1.225.189	1.37.190
1.119.188	1.178.188	1.237.188	1.49.189	1.108.189	1.167.189	1.226.189	1.38.190
1.120.188	1.179.188	1.238.188	1.50.189	1.109.189	1.168.189	1.227.189	1.39.190
1.121.188	1.180.188	1.239.188	1.51.189	1.110.189	1.169.189	1.228.189	1.40.190
1.122.188	1.181.188	1.240.188	1.52.189	1.111.189	1.170.189	1.229.189	1.41.190
1.123.188	1.182.188	1.241.188	1.53.189	1.112.189	1.171.189	1.230.189	1.42.190
1.124.188	1.183.188	1.242.188	1.54.189	1.113.189	1.172.189	1.231.189	1.43.190
1.125.188	1.184.188	1.243.188	1.55.189	1.114.189	1.173.189	1.232.189	1.44.190

				1.34.191	1.93.191	1.152.191	1.211.191
1.46.190	1.105.190	1.164.190	1.223.190	1.35.191	1.94.191	1.153.191	1.212.191
1.47.190	1.106.190	1.165.190	1.224.190	1.36.191	1.95.191	1.154.191	1.213.191
1.48.190	1.107.190	1.166.190	1.225.190	1.37.191	1.96.191	1.155.191	1.214.191
1.49.190	1.108.190	1.167.190	1.226.190	1.38.191	1.97.191	1.156.191	1.215.191
1.50.190	1.109.190	1.168.190	1.227.190	1.39.191	1.98.191	1.157.191	1.216.191
1.51.190	1.110.190	1.169.190	1.228.190	1.40.191	1.99.191	1.158.191	1.217.191
1.52.190	1.111.190	1.170.190	1.229.190	1.41.191	1.100.191	1.159.191	1.218.191
1.53.190	1.112.190	1.171.190	1.230.190	1.42.191	1.101.191	1.160.191	1.219.191
1.54.190	1.113.190	1.172.190	1.231.190	1.43.191	1.102.191	1.161.191	1.220.191
1.55.190	1.114.190	1.173.190	1.232.190	1.44.191	1.103.191	1.162.191	1.221.191
1.56.190	1.115.190	1.174.190	1.233.190	1.45.191	1.104.191	1.163.191	1.222.191
1.57.190	1.116.190	1.175.190	1.234.190	1.46.191	1.105.191	1.164.191	1.223.191
1.58.190	1.117.190	1.176.190	1.235.190	1.47.191	1.106.191	1.165.191	1.224.191
1.59.190	1.118.190	1.177.190	1.236.190	1.48.191	1.107.191	1.166.191	1.225.191
1.60.190	1.119.190	1.178.190	1.237.190	1.49.191	1.108.191	1.167.191	1.226.191
1.61.190	1.120.190	1.179.190	1.238.190	1.50.191	1.109.191	1.168.191	1.227.191
1.62.190	1.121.190	1.180.190	1.239.190	1.51.191	1.110.191	1.169.191	1.228.191
1.63.190	1.122.190	1.181.190	1.240.190	1.52.191	1.111.191	1.170.191	1.229.191
1.64.190	1.123.190	1.182.190	1.241.190	1.53.191	1.112.191	1.171.191	1.230.191
1.65.190	1.124.190	1.183.190	1.242.190	1.54.191	1.113.191	1.172.191	1.231.191
1.66.190	1.125.190	1.184.190	1.243.190	1.55.191	1.114.191	1.173.191	1.232.191
1.67.190	1.126.190	1.185.190	1.244.190	1.56.191	1.115.191	1.174.191	1.233.191
1.68.190	1.127.190	1.186.190	1.245.190	1.57.191	1.116.191	1.175.191	1.234.191
1.69.190	1.128.190	1.187.190	1.246.190	1.58.191	1.117.191	1.176.191	1.235.191
1.70.190	1.129.190	1.188.190	1.247.190	1.59.191	1.118.191	1.177.191	1.236.191
1.71.190	1.130.190	1.189.190	1.1.191	1.60.191	1.119.191	1.178.191	1.237.191
1.72.190	1.131.190	1.190.190	1.2.191	1.61.191	1.120.191	1.179.191	1.238.191
1.73.190	1.132.190	1.191.190	1.3.191	1.62.191	1.121.191	1.180.191	1.239.191
1.74.190	1.133.190	1.192.190	1.4.191	1.63.191	1.122.191	1.181.191	1.240.191
1.75.190	1.134.190	1.193.190	1.5.191	1.64.191	1.123.191	1.182.191	1.241.191
1.76.190	1.135.190	1.194.190	1.6.191	1.65.191	1.124.191	1.183.191	1.242.191
1.77.190	1.136.190	1.195.190	1.7.191	1.66.191	1.125.191	1.184.191	1.243.191
1.78.190	1.137.190	1.196.190	1.8.191	1.67.191	1.126.191	1.185.191	1.244.191
1.79.190	1.138.190	1.197.190	1.9.191	1.68.191	1.127.191	1.186.191	1.245.191
1.80.190	1.139.190	1.198.190	1.10.191	1.69.191	1.128.191	1.187.191	1.246.191
1.81.190	1.140.190	1.199.190	1.11.191	1.70.191	1.129.191	1.188.191	1.247.191
1.82.190	1.141.190	1.200.190	1.12.191	1.71.191	1.130.191	1.189.191	1.1.192
1.83.190	1.142.190	1.201.190	1.13.191	1.72.191	1.131.191	1.190.191	1.2.192
1.84.190	1.143.190	1.202.190	1.14.191	1.73.191	1.132.191	1.191.191	1.3.192
1.85.190	1.144.190	1.203.190	1.15.191	1.74.191	1.133.191	1.192.191	1.4.192
1.86.190	1.145.190	1.204.190	1.16.191	1.75.191	1.134.191	1.193.191	1.5.192
1.87.190	1.146.190	1.205.190	1.17.191	1.76.191	1.135.191	1.194.191	1.6.192
1.88.190	1.147.190	1.206.190	1.18.191	1.77.191	1.136.191	1.195.191	1.7.192
1.89.190	1.148.190	1.207.190	1.19.191	1.78.191	1.137.191	1.196.191	1.8.192
1.90.190	1.149.190	1.208.190	1.20.191	1.79.191	1.138.191	1.197.191	1.9.192
1.91.190	1.150.190	1.209.190	1.21.191	1.80.191	1.139.191	1.198.191	1.10.192
1.92.190	1.151.190	1.210.190	1.22.191	1.81.191	1.140.191	1.199.191	1.11.192
1.93.190	1.152.190	1.211.190	1.23.191	1.82.191	1.141.191	1.200.191	1.12.192
1.94.190	1.153.190	1.212.190	1.24.191	1.83.191	1.142.191	1.201.191	1.13.192
1.95.190	1.154.190	1.213.190	1.25.191	1.84.191	1.143.191	1.202.191	1.14.192
1.96.190	1.155.190	1.214.190	1.26.191	1.85.191	1.144.191	1.203.191	1.15.192
1.97.190	1.156.190	1.215.190	1.27.191	1.86.191	1.145.191	1.204.191	1.16.192
1.98.190	1.157.190	1.216.190	1.28.191	1.87.191	1.146.191	1.205.191	1.17.192
1.99.190	1.158.190	1.217.190	1.29.191	1.88.191	1.147.191	1.206.191	1.18.192
1.100.190	1.159.190	1.218.190	1.30.191	1.89.191	1.148.191	1.207.191	1.19.192
1.101.190	1.160.190	1.219.190	1.31.191	1.90.191	1.149.191	1.208.191	1.20.192
1.102.190	1.161.190	1.220.190	1.32.191	1.91.191	1.150.191	1.209.191	1.21.192
1.103.190	1.162.190	1.221.190	1.33.191	1.92.191	1.151.191	1.210.191	1.22.192

				1.12.193	1.71.193	1.130.193	1.189.193
1.24.192	1.83.192	1.142.192	1.201.192	1.13.193	1.72.193	1.131.193	1.190.193
1.25.192	1.84.192	1.143.192	1.202.192	1.14.193	1.73.193	1.132.193	1.191.193
1.26.192	1.85.192	1.144.192	1.203.192	1.15.193	1.74.193	1.133.193	1.192.193
1.27.192	1.86.192	1.145.192	1.204.192	1.16.193	1.75.193	1.134.193	1.193.193
1.28.192	1.87.192	1.146.192	1.205.192	1.17.193	1.76.193	1.135.193	1.194.193
1.29.192	1.88.192	1.147.192	1.206.192	1.18.193	1.77.193	1.136.193	1.195.193
1.30.192	1.89.192	1.148.192	1.207.192	1.19.193	1.78.193	1.137.193	1.196.193
1.31.192	1.90.192	1.149.192	1.208.192	1.20.193	1.79.193	1.138.193	1.197.193
1.32.192	1.91.192	1.150.192	1.209.192	1.21.193	1.80.193	1.139.193	1.198.193
1.33.192	1.92.192	1.151.192	1.210.192	1.22.193	1.81.193	1.140.193	1.199.193
1.34.192	1.93.192	1.152.192	1.211.192	1.23.193	1.82.193	1.141.193	1.200.193
1.35.192	1.94.192	1.153.192	1.212.192	1.24.193	1.83.193	1.142.193	1.201.193
1.36.192	1.95.192	1.154.192	1.213.192	1.25.193	1.84.193	1.143.193	1.202.193
1.37.192	1.96.192	1.155.192	1.214.192	1.26.193	1.85.193	1.144.193	1.203.193
1.38.192	1.97.192	1.156.192	1.215.192	1.27.193	1.86.193	1.145.193	1.204.193
1.39.192	1.98.192	1.157.192	1.216.192	1.28.193	1.87.193	1.146.193	1.205.193
1.40.192	1.99.192	1.158.192	1.217.192	1.29.193	1.88.193	1.147.193	1.206.193
1.41.192	1.100.192	1.159.192	1.218.192	1.30.193	1.89.193	1.148.193	1.207.193
1.42.192	1.101.192	1.160.192	1.219.192	1.31.193	1.90.193	1.149.193	1.208.193
1.43.192	1.102.192	1.161.192	1.220.192	1.32.193	1.91.193	1.150.193	1.209.193
1.44.192	1.103.192	1.162.192	1.221.192	1.33.193	1.92.193	1.151.193	1.210.193
1.45.192	1.104.192	1.163.192	1.222.192	1.34.193	1.93.193	1.152.193	1.211.193
1.46.192	1.105.192	1.164.192	1.223.192	1.35.193	1.94.193	1.153.193	1.212.193
1.47.192	1.106.192	1.165.192	1.224.192	1.36.193	1.95.193	1.154.193	1.213.193
1.48.192	1.107.192	1.166.192	1.225.192	1.37.193	1.96.193	1.155.193	1.214.193
1.49.192	1.108.192	1.167.192	1.226.192	1.38.193	1.97.193	1.156.193	1.215.193
1.50.192	1.109.192	1.168.192	1.227.192	1.39.193	1.98.193	1.157.193	1.216.193
1.51.192	1.110.192	1.169.192	1.228.192	1.40.193	1.99.193	1.158.193	1.217.193
1.52.192	1.111.192	1.170.192	1.229.192	1.41.193	1.100.193	1.159.193	1.218.193
1.53.192	1.112.192	1.171.192	1.230.192	1.42.193	1.101.193	1.160.193	1.219.193
1.54.192	1.113.192	1.172.192	1.231.192	1.43.193	1.102.193	1.161.193	1.220.193
1.55.192	1.114.192	1.173.192	1.232.192	1.44.193	1.103.193	1.162.193	1.221.193
1.56.192	1.115.192	1.174.192	1.233.192	1.45.193	1.104.193	1.163.193	1.222.193
1.57.192	1.116.192	1.175.192	1.234.192	1.46.193	1.105.193	1.164.193	1.223.193
1.58.192	1.117.192	1.176.192	1.235.192	1.47.193	1.106.193	1.165.193	1.224.193
1.59.192	1.118.192	1.177.192	1.236.192	1.48.193	1.107.193	1.166.193	1.225.193
1.60.192	1.119.192	1.178.192	1.237.192	1.49.193	1.108.193	1.167.193	1.226.193
1.61.192	1.120.192	1.179.192	1.238.192	1.50.193	1.109.193	1.168.193	1.227.193
1.62.192	1.121.192	1.180.192	1.239.192	1.51.193	1.110.193	1.169.193	1.228.193
1.63.192	1.122.192	1.181.192	1.240.192	1.52.193	1.111.193	1.170.193	1.229.193
1.64.192	1.123.192	1.182.192	1.241.192	1.53.193	1.112.193	1.171.193	1.230.193
1.65.192	1.124.192	1.183.192	1.242.192	1.54.193	1.113.193	1.172.193	1.231.193
1.66.192	1.125.192	1.184.192	1.243.192	1.55.193	1.114.193	1.173.193	1.232.193
1.67.192	1.126.192	1.185.192	1.244.192	1.56.193	1.115.193	1.174.193	1.233.193
1.68.192	1.127.192	1.186.192	1.245.192	1.57.193	1.116.193	1.175.193	1.234.193
1.69.192	1.128.192	1.187.192	1.246.192	1.58.193	1.117.193	1.176.193	1.235.193
1.70.192	1.129.192	1.188.192	1.247.192	1.59.193	1.118.193	1.177.193	1.236.193
1.71.192	1.130.192	1.189.192	1.1.193	1.60.193	1.119.193	1.178.193	1.237.193
1.72.192	1.131.192	1.190.192	1.2.193	1.61.193	1.120.193	1.179.193	1.238.193
1.73.192	1.132.192	1.191.192	1.3.193	1.62.193	1.121.193	1.180.193	1.239.193
1.74.192	1.133.192	1.192.192	1.4.193	1.63.193	1.122.193	1.181.193	1.240.193
1.75.192	1.134.192	1.193.192	1.5.193	1.64.193	1.123.193	1.182.193	1.241.193
1.76.192	1.135.192	1.194.192	1.6.193	1.65.193	1.124.193	1.183.193	1.242.193
1.77.192	1.136.192	1.195.192	1.7.193	1.66.193	1.125.193	1.184.193	1.243.193
1.78.192	1.137.192	1.196.192	1.8.193	1.67.193	1.126.193	1.185.193	1.244.193
1.79.192	1.138.192	1.197.192	1.9.193	1.68.193	1.127.193	1.186.193	1.245.193
1.80.192	1.139.192	1.198.192	1.10.193	1.69.193	1.128.193	1.187.193	1.246.193
1.81.192	1.140.192	1.199.192	1.11.193	1.70.193	1.129.193	1.188.193	1.247.193

				1.237.194	1.49.195	1.108.195	1.167.195
1.2.194	1.61.194	1.120.194	1.179.194	1.238.194	1.50.195	1.109.195	1.168.195
1.3.194	1.62.194	1.121.194	1.180.194	1.239.194	1.51.195	1.110.195	1.169.195
1.4.194	1.63.194	1.122.194	1.181.194	1.240.194	1.52.195	1.111.195	1.170.195
1.5.194	1.64.194	1.123.194	1.182.194	1.241.194	1.53.195	1.112.195	1.171.195
1.6.194	1.65.194	1.124.194	1.183.194	1.242.194	1.54.195	1.113.195	1.172.195
1.7.194	1.66.194	1.125.194	1.184.194	1.243.194	1.55.195	1.114.195	1.173.195
1.8.194	1.67.194	1.126.194	1.185.194	1.244.194	1.56.195	1.115.195	1.174.195
1.9.194	1.68.194	1.127.194	1.186.194	1.245.194	1.57.195	1.116.195	1.175.195
1.10.194	1.69.194	1.128.194	1.187.194	1.246.194	1.58.195	1.117.195	1.176.195
1.11.194	1.70.194	1.129.194	1.188.194	1.247.194	1.59.195	1.118.195	1.177.195
1.12.194	1.71.194	1.130.194	1.189.194	1.1.195	1.60.195	1.119.195	1.178.195
1.13.194	1.72.194	1.131.194	1.190.194	1.2.195	1.61.195	1.120.195	1.179.195
1.14.194	1.73.194	1.132.194	1.191.194	1.3.195	1.62.195	1.121.195	1.180.195
1.15.194	1.74.194	1.133.194	1.192.194	1.4.195	1.63.195	1.122.195	1.181.195
1.16.194	1.75.194	1.134.194	1.193.194	1.5.195	1.64.195	1.123.195	1.182.195
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1.18.194	1.77.194	1.136.194	1.195.194	1.7.195	1.66.195	1.125.195	1.184.195
1.19.194	1.78.194	1.137.194	1.196.194	1.8.195	1.67.195	1.126.195	1.185.195
1.20.194	1.79.194	1.138.194	1.197.194	1.9.195	1.68.195	1.127.195	1.186.195
1.21.194	1.80.194	1.139.194	1.198.194	1.10.195	1.69.195	1.128.195	1.187.195
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1.23.194	1.82.194	1.141.194	1.200.194	1.12.195	1.71.195	1.130.195	1.189.195
1.24.194	1.83.194	1.142.194	1.201.194	1.13.195	1.72.195	1.131.195	1.190.195
1.25.194	1.84.194	1.143.194	1.202.194	1.14.195	1.73.195	1.132.195	1.191.195
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1.27.194	1.86.194	1.145.194	1.204.194	1.16.195	1.75.195	1.134.195	1.193.195
1.28.194	1.87.194	1.146.194	1.205.194	1.17.195	1.76.195	1.135.195	1.194.195
1.29.194	1.88.194	1.147.194	1.206.194	1.18.195	1.77.195	1.136.195	1.195.195
1.30.194	1.89.194	1.148.194	1.207.194	1.19.195	1.78.195	1.137.195	1.196.195
1.31.194	1.90.194	1.149.194	1.208.194	1.20.195	1.79.195	1.138.195	1.197.195
1.32.194	1.91.194	1.150.194	1.209.194	1.21.195	1.80.195	1.139.195	1.198.195
1.33.194	1.92.194	1.151.194	1.210.194	1.22.195	1.81.195	1.140.195	1.199.195
1.34.194	1.93.194	1.152.194	1.211.194	1.23.195	1.82.195	1.141.195	1.200.195
1.35.194	1.94.194	1.153.194	1.212.194	1.24.195	1.83.195	1.142.195	1.201.195
1.36.194	1.95.194	1.154.194	1.213.194	1.25.195	1.84.195	1.143.195	1.202.195
1.37.194	1.96.194	1.155.194	1.214.194	1.26.195	1.85.195	1.144.195	1.203.195
1.38.194	1.97.194	1.156.194	1.215.194	1.27.195	1.86.195	1.145.195	1.204.195
1.39.194	1.98.194	1.157.194	1.216.194	1.28.195	1.87.195	1.146.195	1.205.195
1.40.194	1.99.194	1.158.194	1.217.194	1.29.195	1.88.195	1.147.195	1.206.195
1.41.194	1.100.194	1.159.194	1.218.194	1.30.195	1.89.195	1.148.195	1.207.195
1.42.194	1.101.194	1.160.194	1.219.194	1.31.195	1.90.195	1.149.195	1.208.195
1.43.194	1.102.194	1.161.194	1.220.194	1.32.195	1.91.195	1.150.195	1.209.195
1.44.194	1.103.194	1.162.194	1.221.194	1.33.195	1.92.195	1.151.195	1.210.195
1.45.194	1.104.194	1.163.194	1.222.194	1.34.195	1.93.195	1.152.195	1.211.195
1.46.194	1.105.194	1.164.194	1.223.194	1.35.195	1.94.195	1.153.195	1.212.195
1.47.194	1.106.194	1.165.194	1.224.194	1.36.195	1.95.195	1.154.195	1.213.195
1.48.194	1.107.194	1.166.194	1.225.194	1.37.195	1.96.195	1.155.195	1.214.195
1.49.194	1.108.194	1.167.194	1.226.194	1.38.195	1.97.195	1.156.195	1.215.195
1.50.194	1.109.194	1.168.194	1.227.194	1.39.195	1.98.195	1.157.195	1.216.195
1.51.194	1.110.194	1.169.194	1.228.194	1.40.195	1.99.195	1.158.195	1.217.195
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1.53.194	1.112.194	1.171.194	1.230.194	1.42.195	1.101.195	1.160.195	1.219.195
1.54.194	1.113.194	1.172.194	1.231.194	1.43.195	1.102.195	1.161.195	1.220.195
1.55.194	1.114.194	1.173.194	1.232.194	1.44.195	1.103.195	1.162.195	1.221.195
1.56.194	1.115.194	1.174.194	1.233.194	1.45.195	1.104.195	1.163.195	1.222.195
1.57.194	1.116.194	1.175.194	1.234.194	1.46.195	1.105.195	1.164.195	1.223.195
1.58.194	1.117.194	1.176.194	1.235.194	1.47.195	1.106.195	1.165.195	1.224.195
1.59.194	1.118.194	1.177.194	1.236.194	1.48.195	1.107.195	1.166.195	1.225.195



1.227.195	1.39.196	1.98.196	1.157.196	1.215.196	1.27.197	1.86.197	1.145.197
1.228.195	1.40.196	1.99.196	1.158.196	1.216.196	1.28.197	1.87.197	1.146.197
1.229.195	1.41.196	1.100.196	1.159.196	1.217.196	1.29.197	1.88.197	1.147.197
1.230.195	1.42.196	1.101.196	1.160.196	1.218.196	1.30.197	1.89.197	1.148.197
1.231.195	1.43.196	1.102.196	1.161.196	1.219.196	1.31.197	1.90.197	1.149.197
1.232.195	1.44.196	1.103.196	1.162.196	1.220.196	1.32.197	1.91.197	1.150.197
1.233.195	1.45.196	1.104.196	1.163.196	1.221.196	1.33.197	1.92.197	1.151.197
1.234.195	1.46.196	1.105.196	1.164.196	1.222.196	1.34.197	1.93.197	1.152.197
1.235.195	1.47.196	1.106.196	1.165.196	1.223.196	1.35.197	1.94.197	1.153.197
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1.239.195	1.51.196	1.110.196	1.169.196	1.227.196	1.39.197	1.98.197	1.157.197
1.240.195	1.52.196	1.111.196	1.170.196	1.228.196	1.40.197	1.99.197	1.158.197
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1.242.195	1.54.196	1.113.196	1.172.196	1.230.196	1.42.197	1.101.197	1.160.197
1.243.195	1.55.196	1.114.196	1.173.196	1.231.196	1.43.197	1.102.197	1.161.197
1.244.195	1.56.196	1.115.196	1.174.196	1.232.196	1.44.197	1.103.197	1.162.197
1.245.195	1.57.196	1.116.196	1.175.196	1.233.196	1.45.197	1.104.197	1.163.197
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1.4.196	1.63.196	1.122.196	1.181.196	1.239.196	1.51.197	1.110.197	1.169.197
1.5.196	1.64.196	1.123.196	1.182.196	1.240.196	1.52.197	1.111.197	1.170.197
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1.11.196	1.70.196	1.129.196	1.188.196	1.246.196	1.58.197	1.117.197	1.176.197
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1.13.196	1.72.196	1.131.196	1.190.196	1.1.197	1.60.197	1.119.197	1.178.197
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1.19.196	1.78.196	1.137.196	1.196.196	1.7.197	1.66.197	1.125.197	1.184.197
1.20.196	1.79.196	1.138.196	1.197.196	1.8.197	1.67.197	1.126.197	1.185.197
1.21.196	1.80.196	1.139.196	1.198.196	1.9.197	1.68.197	1.127.197	1.186.197
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1.24.196	1.83.196	1.142.196	1.201.196	1.12.197	1.71.197	1.130.197	1.189.197
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1.29.196	1.88.196	1.147.196	1.206.196	1.17.197	1.76.197	1.135.197	1.194.197
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1.32.196	1.91.196	1.150.196	1.209.196	1.20.197	1.79.197	1.138.197	1.197.197
1.33.196	1.92.196	1.151.196	1.210.196	1.21.197	1.80.197	1.139.197	1.198.197
1.34.196	1.93.196	1.152.196	1.211.196	1.22.197	1.81.197	1.140.197	1.199.197
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1.36.196	1.95.196	1.154.196	1.213.196	1.24.197	1.83.197	1.142.197	1.201.197
1.37.196	1.96.196	1.155.196	1.214.196	1.25.197	1.84.197	1.143.197	1.202.197
				1.26.197	1.85.197	1.144.197	1.203.197

## DEMANDE OU BREVET VOLUMINEUX

LA PRÉSENTE PARTIE DE CETTE DEMANDE OU CE BREVET COMPREND PLUS D'UN TOME.

CECI EST LE TOME           1   DE   2  
CONTENANT LES PAGES    1   À   326

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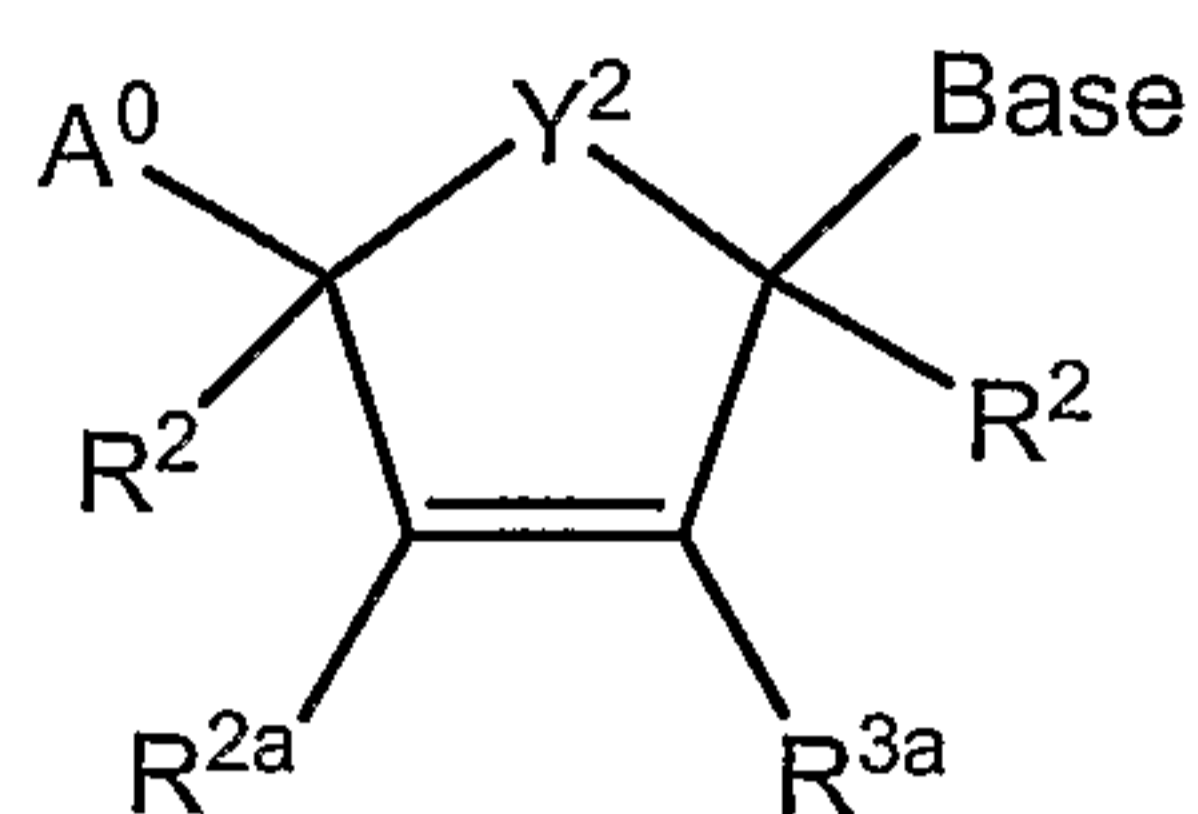
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1. A compound, including enantiomers thereof, of Formula 1A, or a pharmaceutically acceptable salt or solvate thereof,

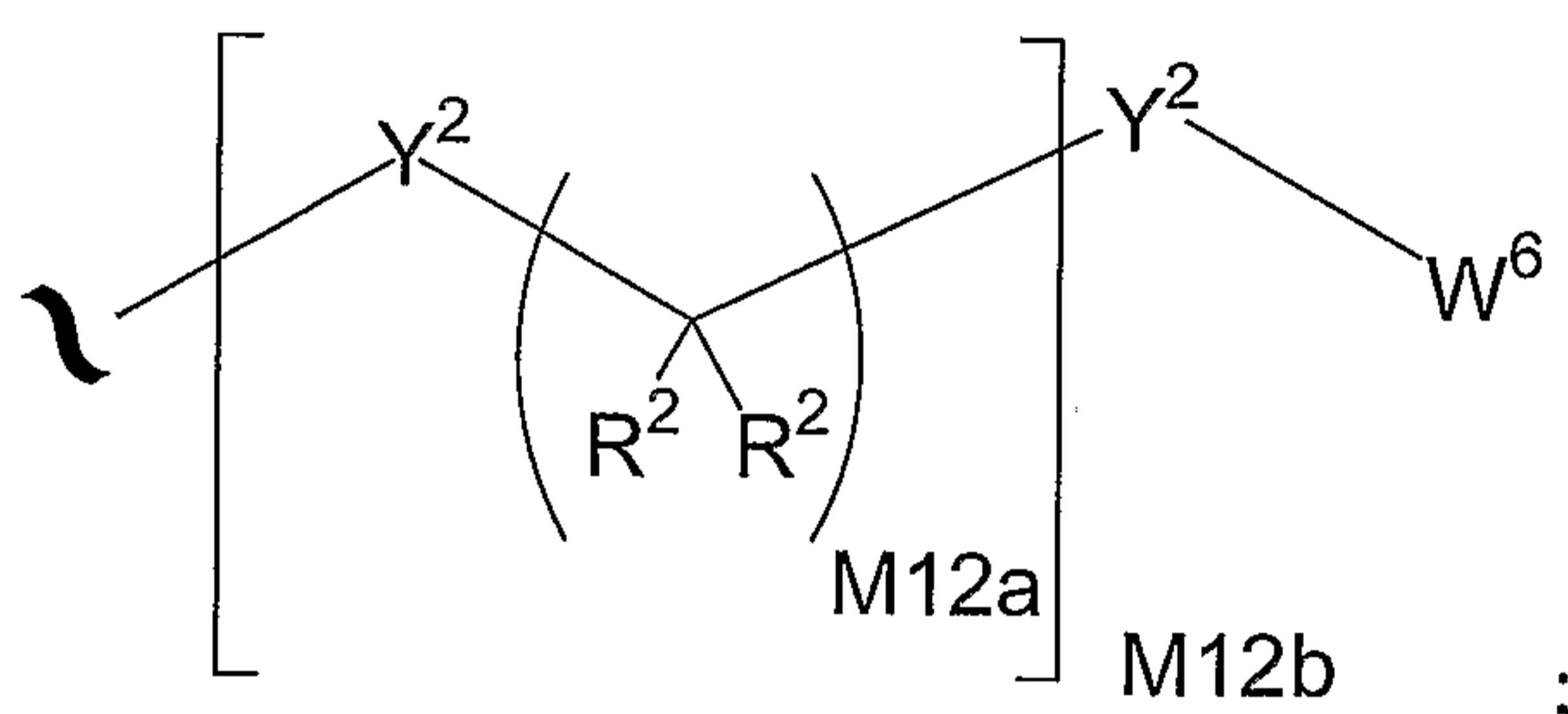


5                    1A

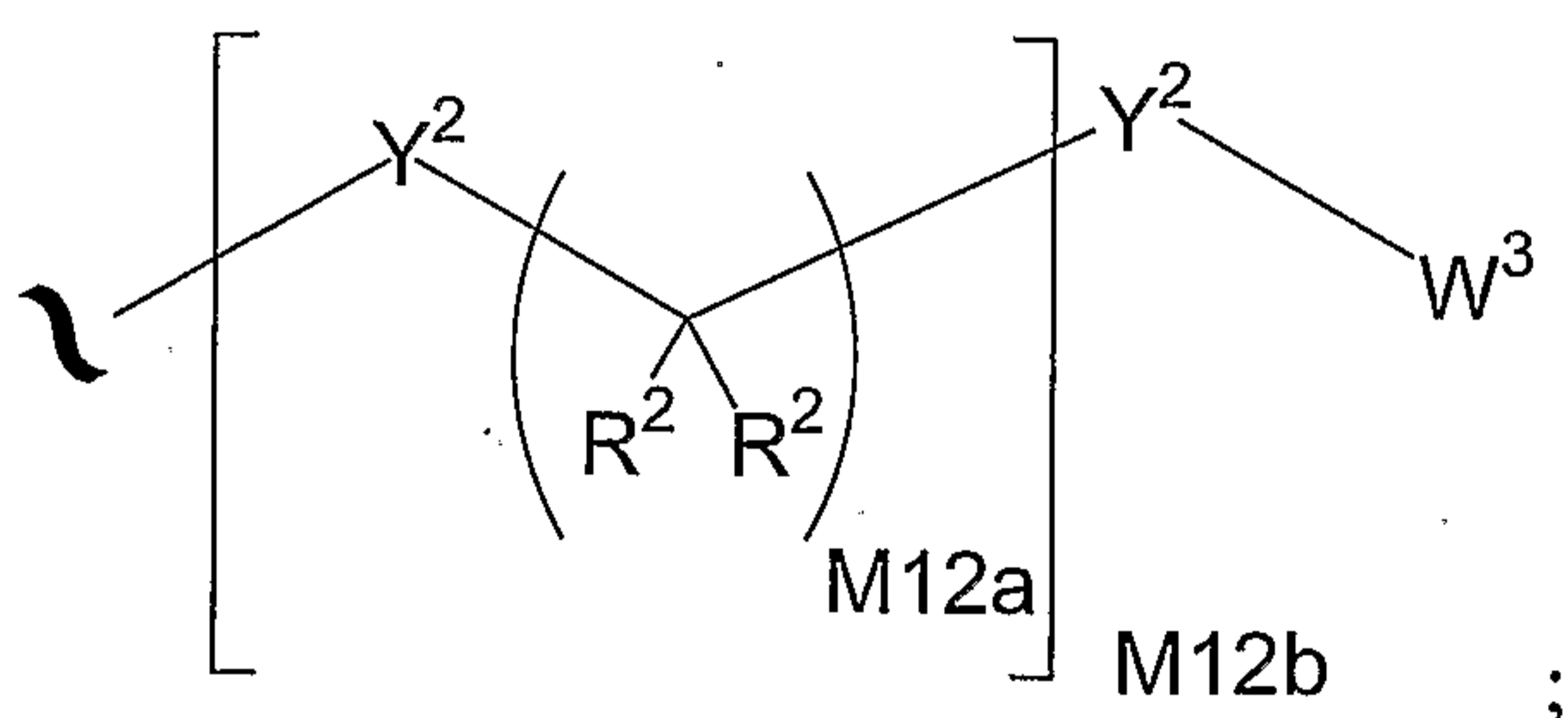
wherein:

$A^0$  is  $A^1$ ,  $A^2$ , or  $A^3$ ;

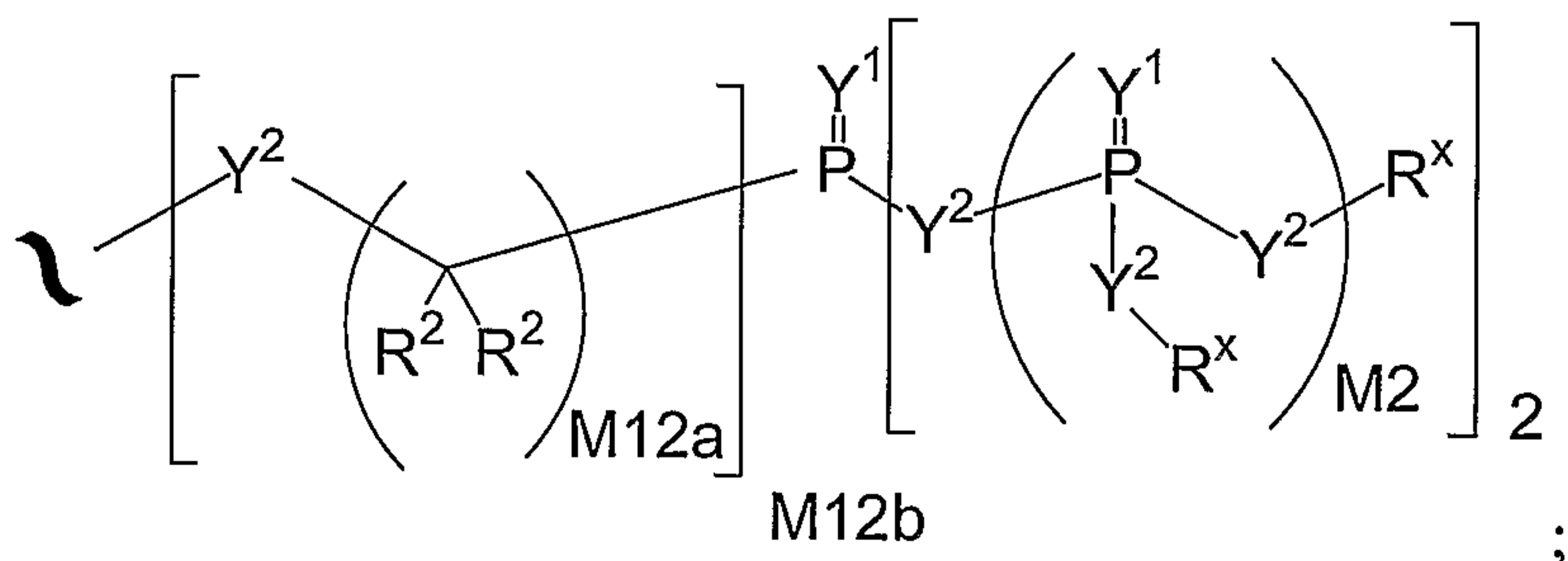
10     $A^1$  is



$A^2$  is



15     $A^3$  is:

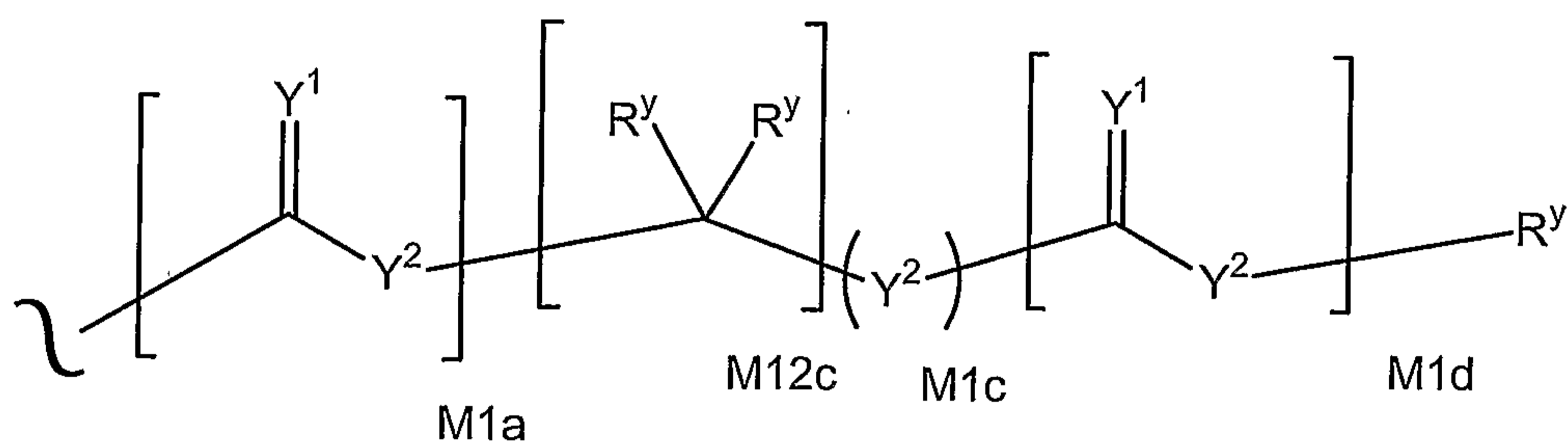


is independently O, S, N(R<sup>x</sup>), N(O)(R<sup>x</sup>), N(OR<sup>x</sup>), N(O)(OR<sup>x</sup>), or N(N(R<sup>x</sup>)(R<sup>x</sup>));

Y<sup>2</sup> is independently a bond, Y<sup>3</sup>, N(R<sup>x</sup>), N(O)(R<sup>x</sup>), N(OR<sup>x</sup>), N(O)(OR<sup>x</sup>), N(N(R<sup>x</sup>)(R<sup>x</sup>)), -S(O)<sub>M2</sub>-, or -S(O)<sub>M2</sub>-S(O)<sub>M2</sub>-;

5 Y<sup>3</sup> is O, S(O)<sub>M2</sub>, S, or C(R<sup>2</sup>)<sub>2</sub>;

R<sup>x</sup> is independently H, R<sup>1</sup>, R<sup>2</sup>, W<sup>3</sup>, a protecting group, or the formula:



wherein:

R<sup>y</sup> is independently H, W<sup>3</sup>, R<sup>2</sup> or a protecting group;

10 R<sup>1</sup> is independently H or alkyl of 1 to 18 carbon atoms;

R<sup>2</sup> and R<sup>2a</sup> are independently H, R<sup>1</sup>, R<sup>3</sup>, or R<sup>4</sup> wherein each R<sup>4</sup> is independently substituted with 0 to 3 R<sup>3</sup> groups or, when taken together at a carbon atom, two R<sup>2</sup> groups form a ring of 3 to 8 and the ring may be substituted with 0 to 3 R<sup>3</sup> groups;

15 R<sup>3</sup> is R<sup>3a</sup>, R<sup>3b</sup>, R<sup>3c</sup>, R<sup>3d</sup>, or R<sup>3e</sup>, provided that when R<sup>3</sup> is bound to a heteroatom, then R<sup>3</sup> is R<sup>3c</sup> or R<sup>3d</sup>;

R<sup>3a</sup> is R<sup>3e</sup>, -CN, N<sub>3</sub> or -NO<sub>2</sub>;

R<sup>3b</sup> is (=Y<sup>1</sup>);

R<sup>3c</sup> is -R<sup>x</sup>, -N(R<sup>x</sup>)(R<sup>x</sup>), -SR<sup>x</sup>, -S(O)R<sup>x</sup>, -S(O)<sub>2</sub>R<sup>x</sup>, -S(O)(OR<sup>x</sup>), -S(O)<sub>2</sub>(OR<sup>x</sup>), -OC(Y<sup>1</sup>)R<sup>x</sup>, -OC(Y<sup>1</sup>)OR<sup>x</sup>, -OC(Y<sup>1</sup>)(N(R<sup>x</sup>)(R<sup>x</sup>)), -SC(Y<sup>1</sup>)R<sup>x</sup>, -SC(Y<sup>1</sup>)OR<sup>x</sup>,

20 SC(Y<sup>1</sup>)(N(R<sup>x</sup>)(R<sup>x</sup>)), -N(R<sup>x</sup>)C(Y<sup>1</sup>)R<sup>x</sup>, -N(R<sup>x</sup>)C(Y<sup>1</sup>)OR<sup>x</sup>, or -N(R<sup>x</sup>)C(Y<sup>1</sup>)(N(R<sup>x</sup>)(R<sup>x</sup>));

R<sup>3d</sup> is -C(Y<sup>1</sup>)R<sup>x</sup>, -C(Y<sup>1</sup>)OR<sup>x</sup> or -C(Y<sup>1</sup>)(N(R<sup>x</sup>)(R<sup>x</sup>));

R<sup>3e</sup> is F, Cl, Br or I;

25 R<sup>4</sup> is an alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, or alkynyl of 2 to 18 carbon atoms;

R<sup>5</sup> is H or R<sup>4</sup>, wherein each R<sup>4</sup> is substituted with 0 to 3 R<sup>3</sup> groups;

W<sup>3</sup> is W<sup>4</sup> or W<sup>5</sup>;

W<sup>4</sup> is R<sup>5</sup>, -C(Y<sup>1</sup>)R<sup>5</sup>, -C(Y<sup>1</sup>)W<sup>5</sup>, -SO<sub>M2</sub>R<sup>5</sup>, or -SO<sub>M2</sub>W<sup>5</sup>;

W<sup>5</sup> is carbocyclic or heterocyclic wherein W<sup>5</sup> is independently substituted with 0 to 3 R<sup>2</sup> groups;

W<sup>6</sup> is W<sup>3</sup> independently substituted with 1, 2, or 3 A<sup>3</sup> groups;

M2 is 0, 1 or 2;

5 M12a is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

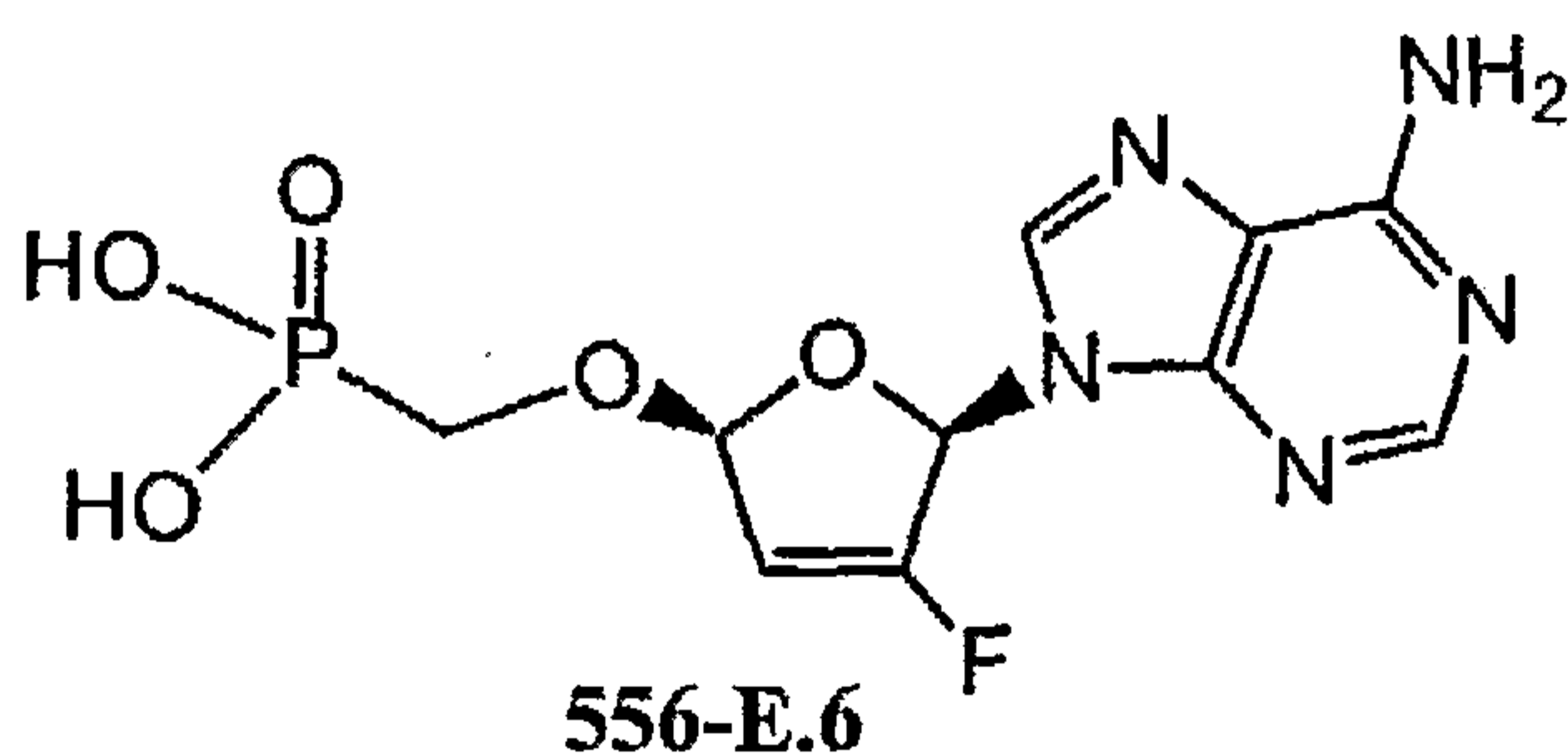
M12b is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

M1a, M1c, and M1d are independently 0 or 1; and

M12c is 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12;

provided that the compound of Formula 1A is not of the structure 556-E.6

10



or its ethyl diester.

15

2. The compound of claim 1 wherein R<sup>2a</sup> is selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, azido, haloalkyl, cycloalkyl, aryl, haloaryl, and heteroaryl

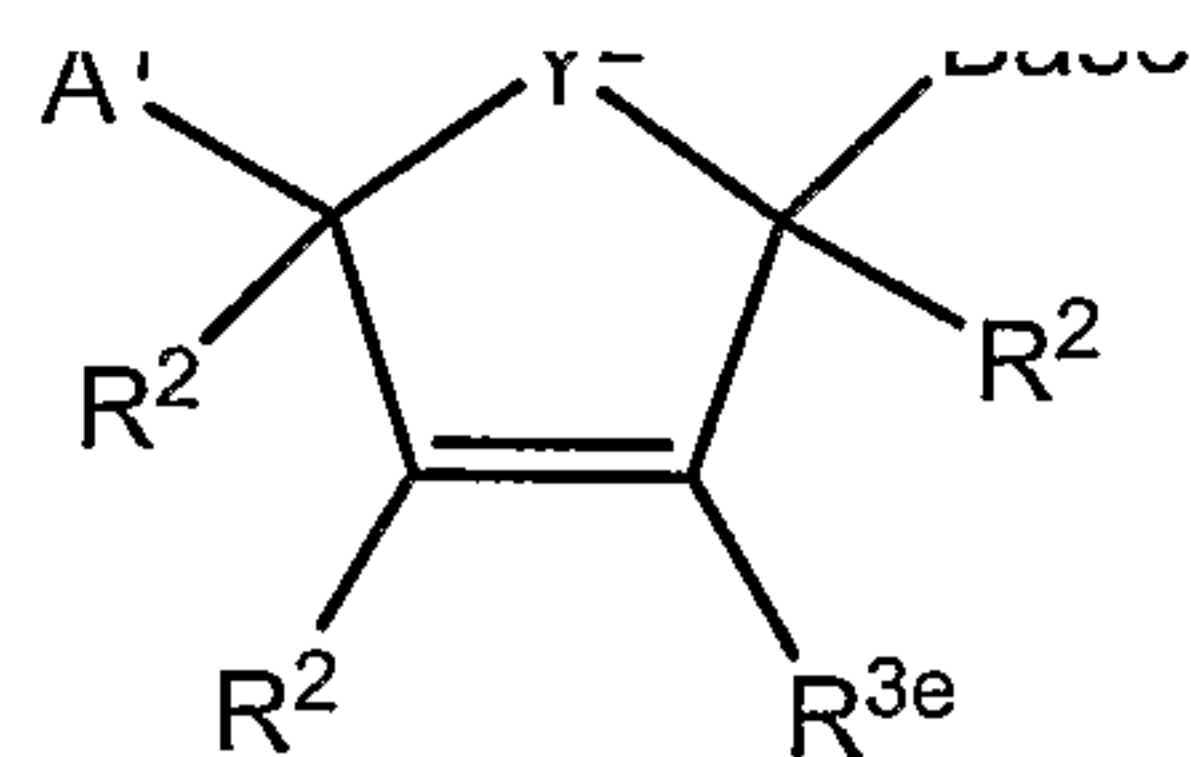
20

3. The compound of claim 1 wherein R<sup>2a</sup> is selected from the group consisting of H, halo, alkyl, azido, cyano, or haloalkyl.

25 4. The compound of claim 1 wherein R<sup>2</sup> is selected from selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, azido, haloalkyl, cycloalkyl, aryl, haloaryl, and heteroaryl.

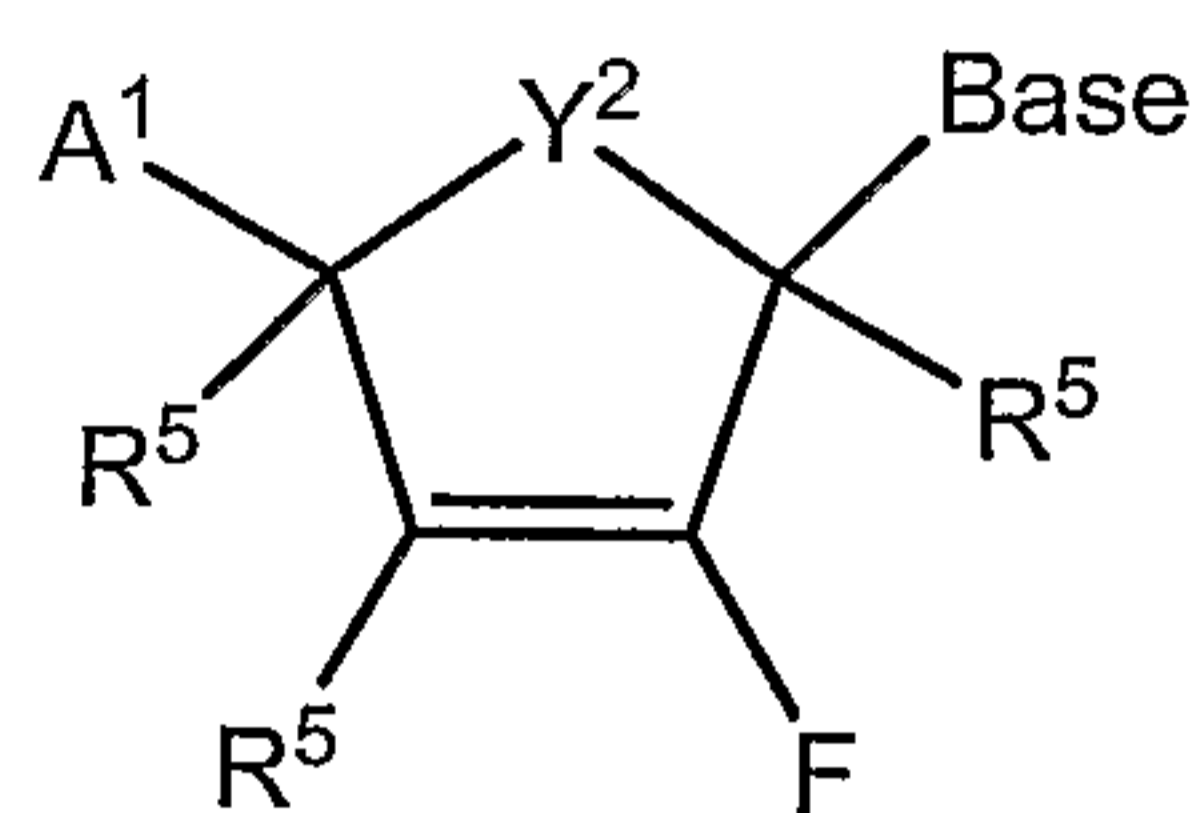
5. The compound of claim 1 that has the formula 1B

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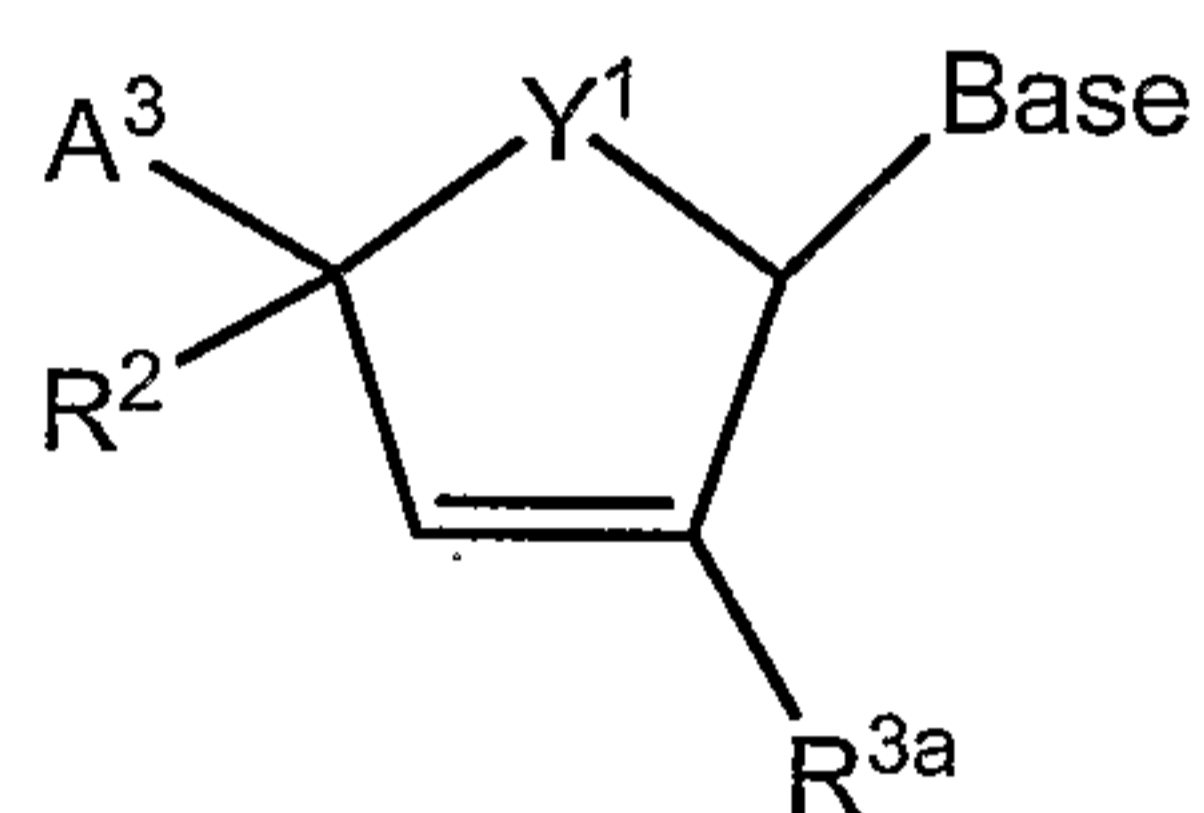
1B

6. The compound of claim 1 that has the formula 1C



1C

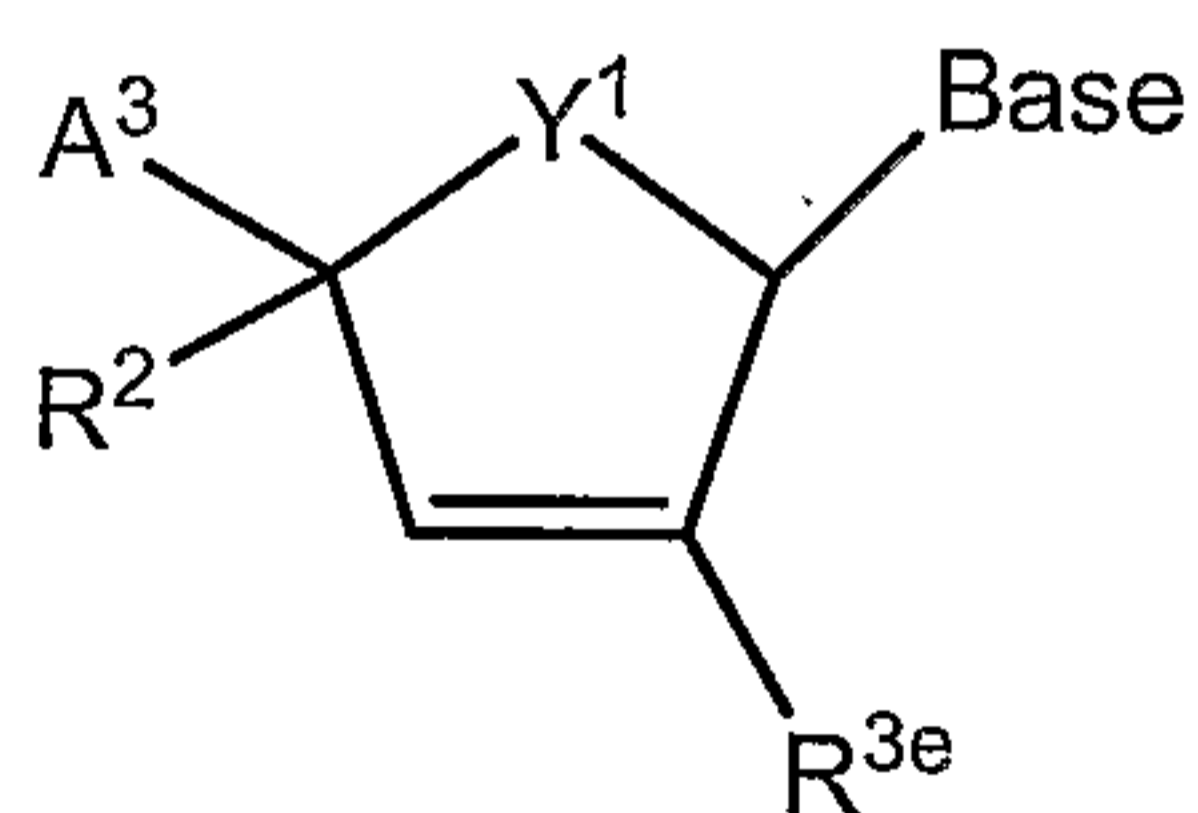
7. The compound of claim 1 that has the formula 1D



1D

5

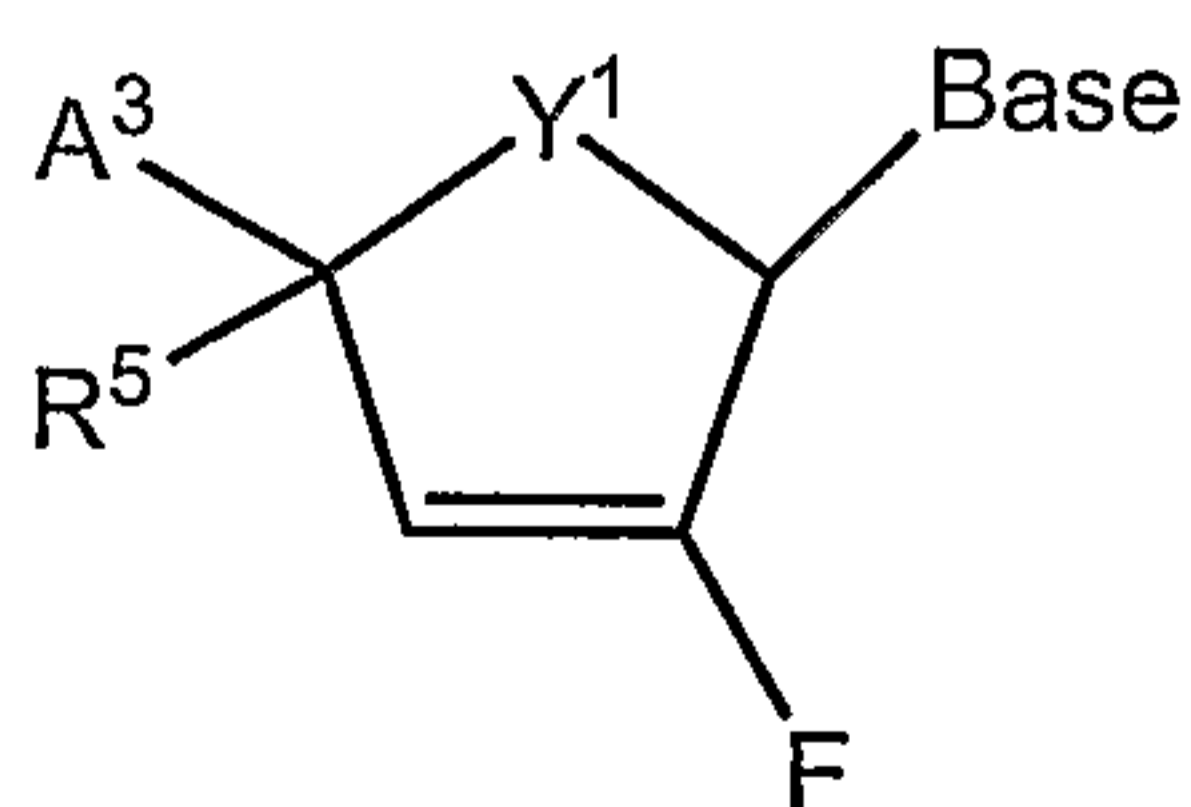
8. The compound of claim 1 that has the formula 1E



1E

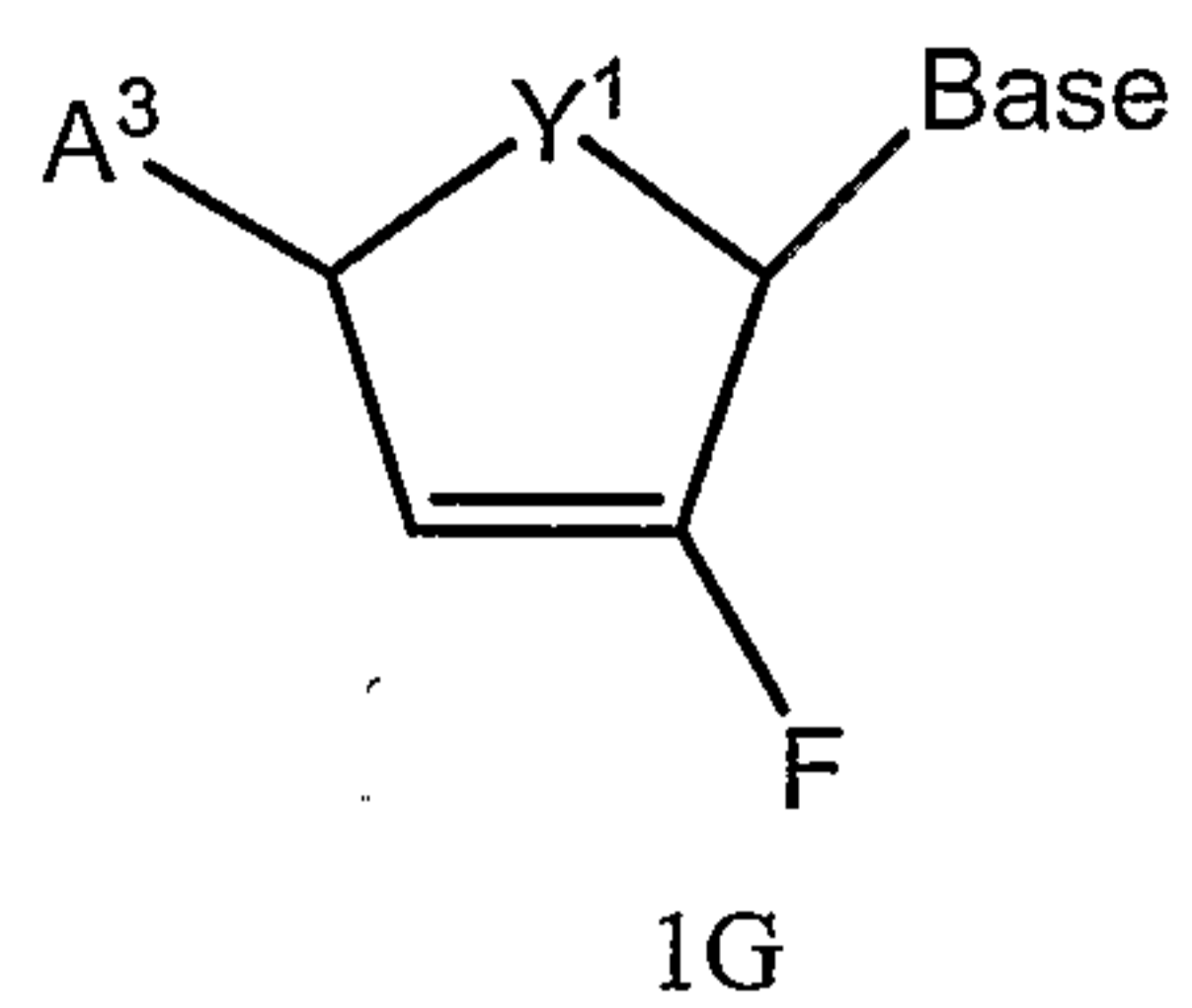
10

9. The compound of claim 1 that has the formula 1F

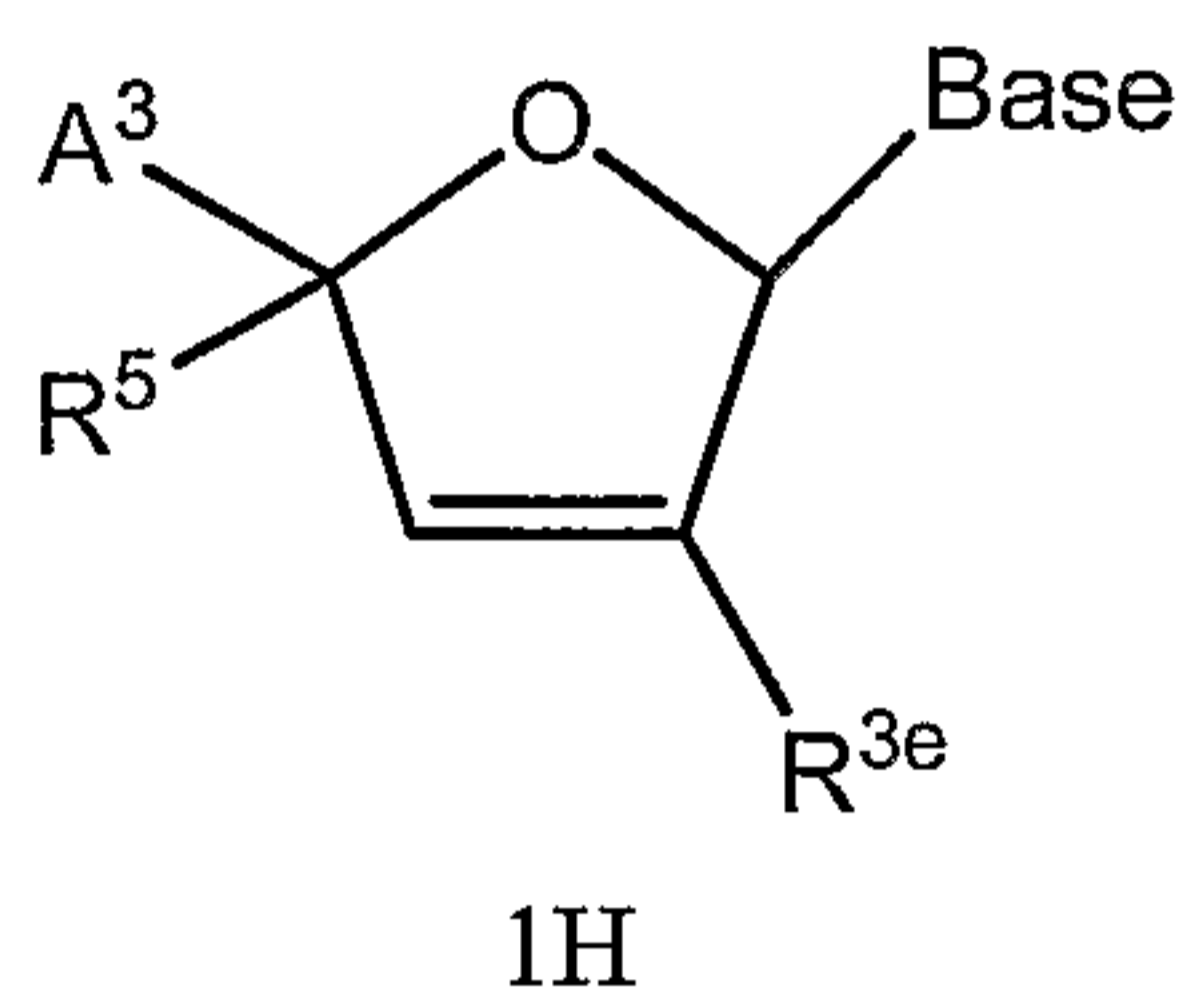


1F

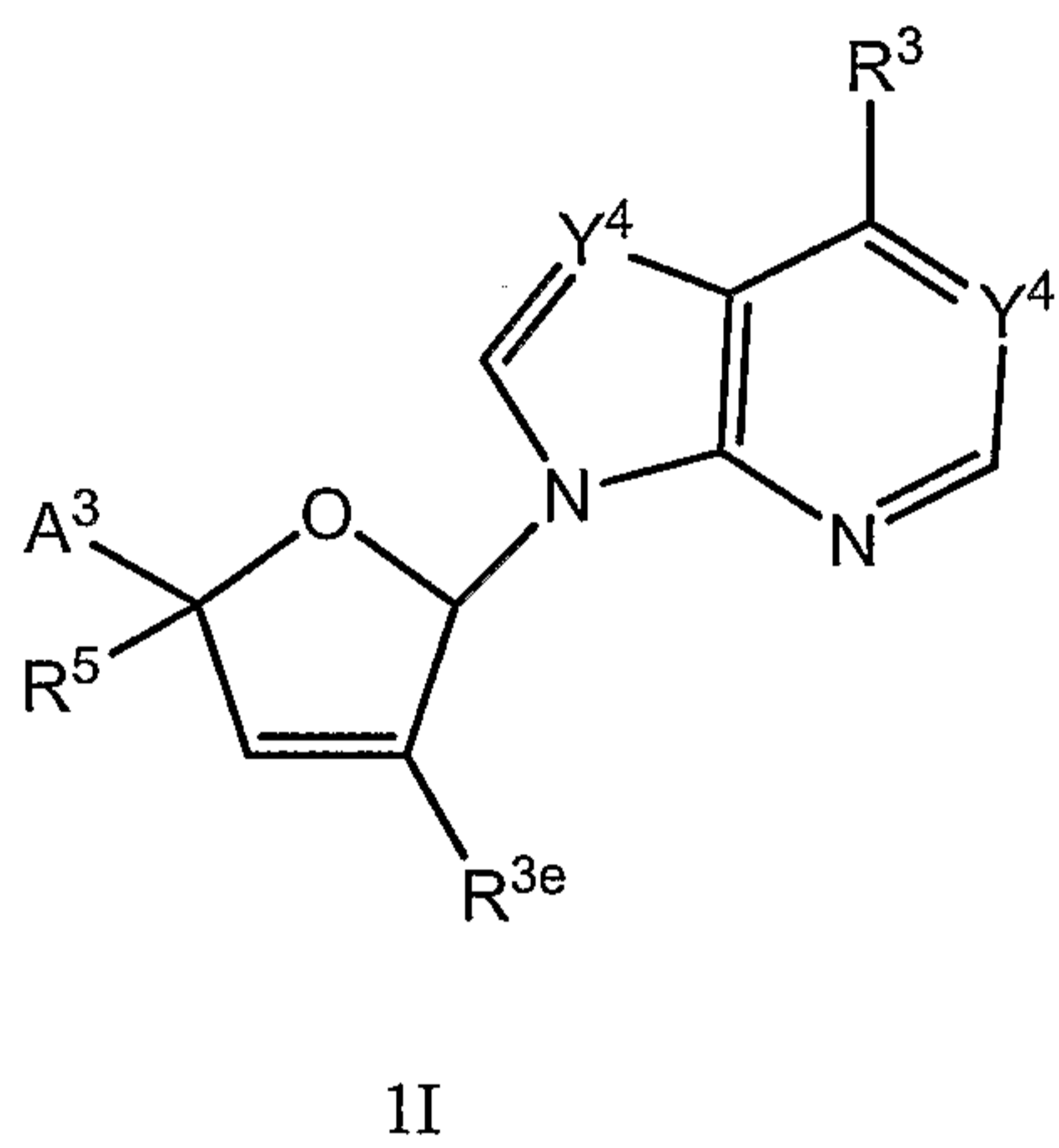
10. The compound of claim 1 that has the formula 1G



- 5 11. The compound of claim 1 that has the formula 1H



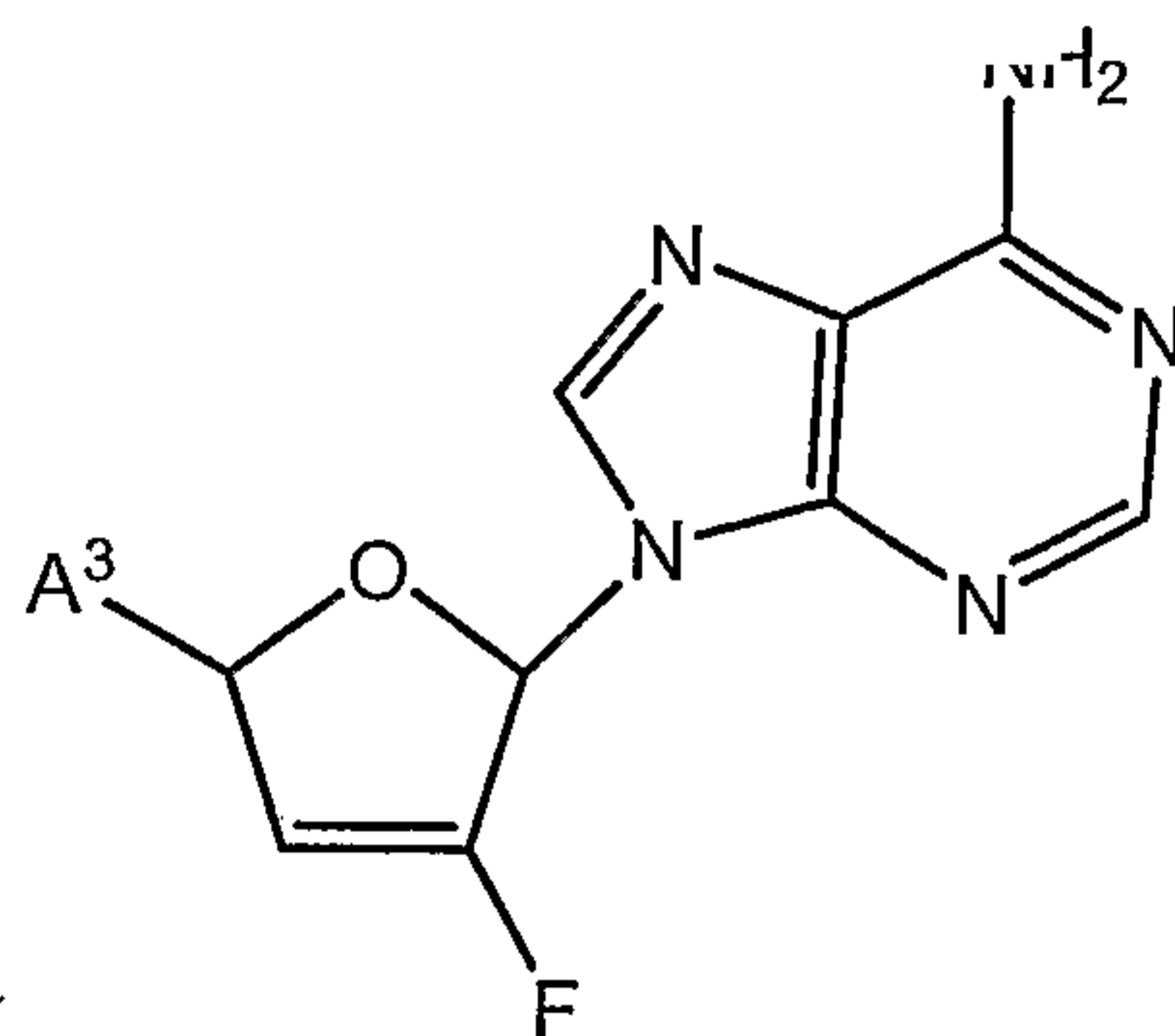
12. The compound of claim 1 that has the formula 1I



- 10 wherein:

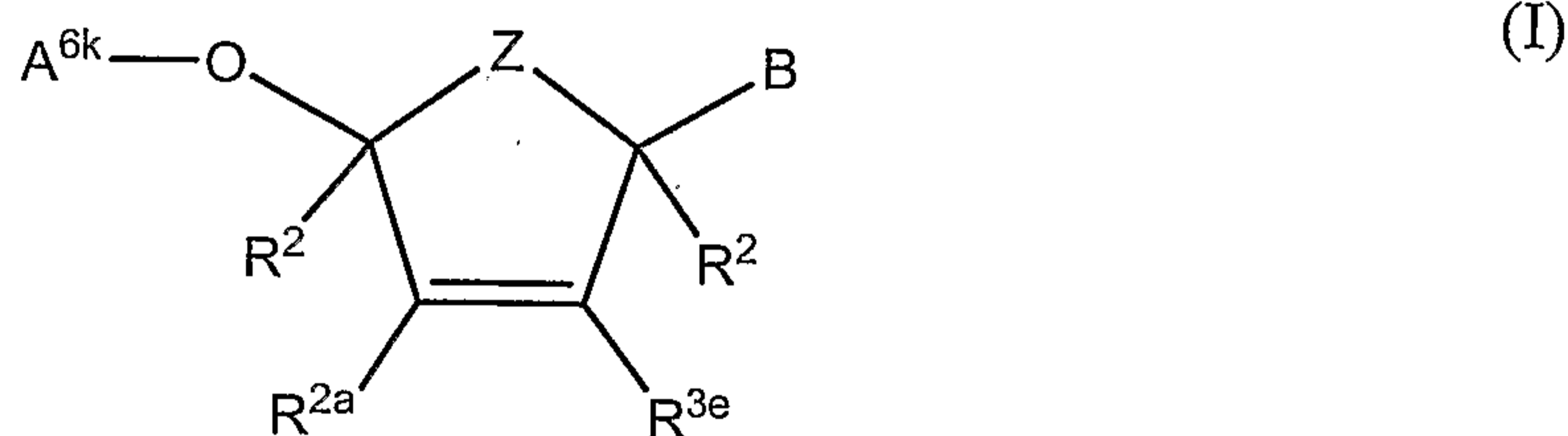
$Y^4$  is N or C(R<sup>3</sup>).

13. The compound of claim 1 that has the formula 1J



II

14. The compound of claim 1 wherein  $R^{2a}$  is halo, alkyl, azido, cyano, or haloalkyl.
- 5 15. The compound of claim 1 wherein  $R^x$  is a naturally occurring amino acid.
16. A compound, enantiomers thereof, or a pharmaceutically acceptable salt or solvate thereof that is of the general structure of formula I



10

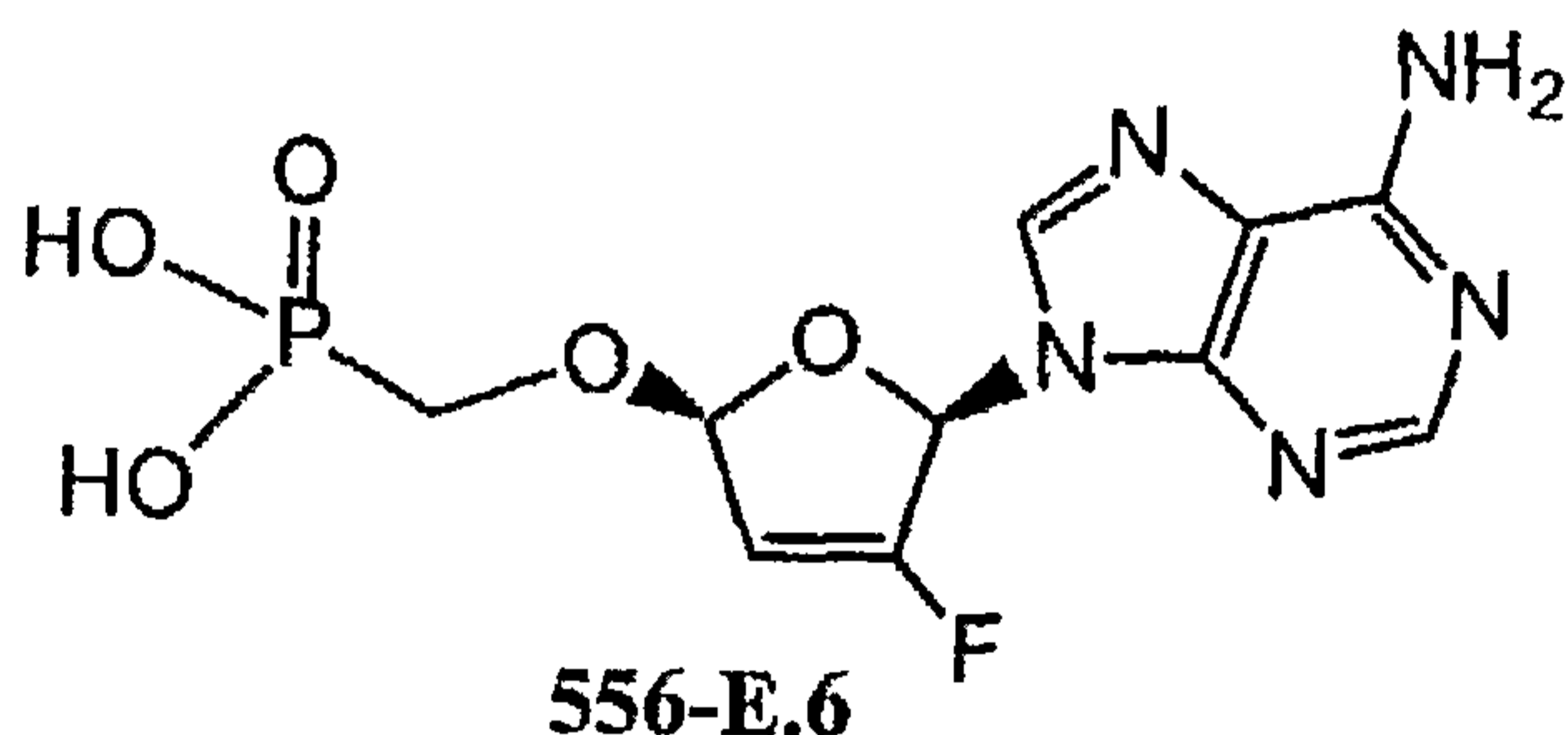
wherein

- B is Base;
- Z is O, S, or  $C(R^k)_2$ ;
- $R^{3e}$  is F, Cl, Br or I;
- 15  $A^{6k}$  - $CH_2P(Y^k)(A^{5k})(Y^{k2}A^{5k})$ , - $CH_2P(Y^k)(A^{5k})(A^{5k})$ , or  
- $CH_2P(Y^k)(Y^{k2}A^{5k})(Y^{k2}A^{5k})$ , optionally substituted with  $R^k$ ;
- $A^{5k}$  is H, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, haloalkyl, cycloalkyl, aryl, haloaryl, or heteroaryl, optionally substituted with  $R^k$ ;
- $Y^k$  is O or S;
- 20  $Y^{k2}$  is O,  $N(R^k)$ , or S; and



... is independently selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, azido, haloalkyl, cycloalkyl, aryl, haloaryl, and heteroaryl; and

each  $R^k$  is independently selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, azido, haloalkyl, cycloalkyl, aryl, haloaryl, and heteroaryl; provided that the compound of Formula 1A is not of the structure 556-E.6



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or its ethyl diester.

17. The compound of claim 16 wherein  $R^{2a}$  is selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, azido, haloalkyl, cycloalkyl, aryl, haloaryl, and heteroaryl

15

18. The compound of claim 16 wherein  $R^{2a}$  is selected from the group consisting of H, halo, alkyl, azido, cyano, or haloalkyl.

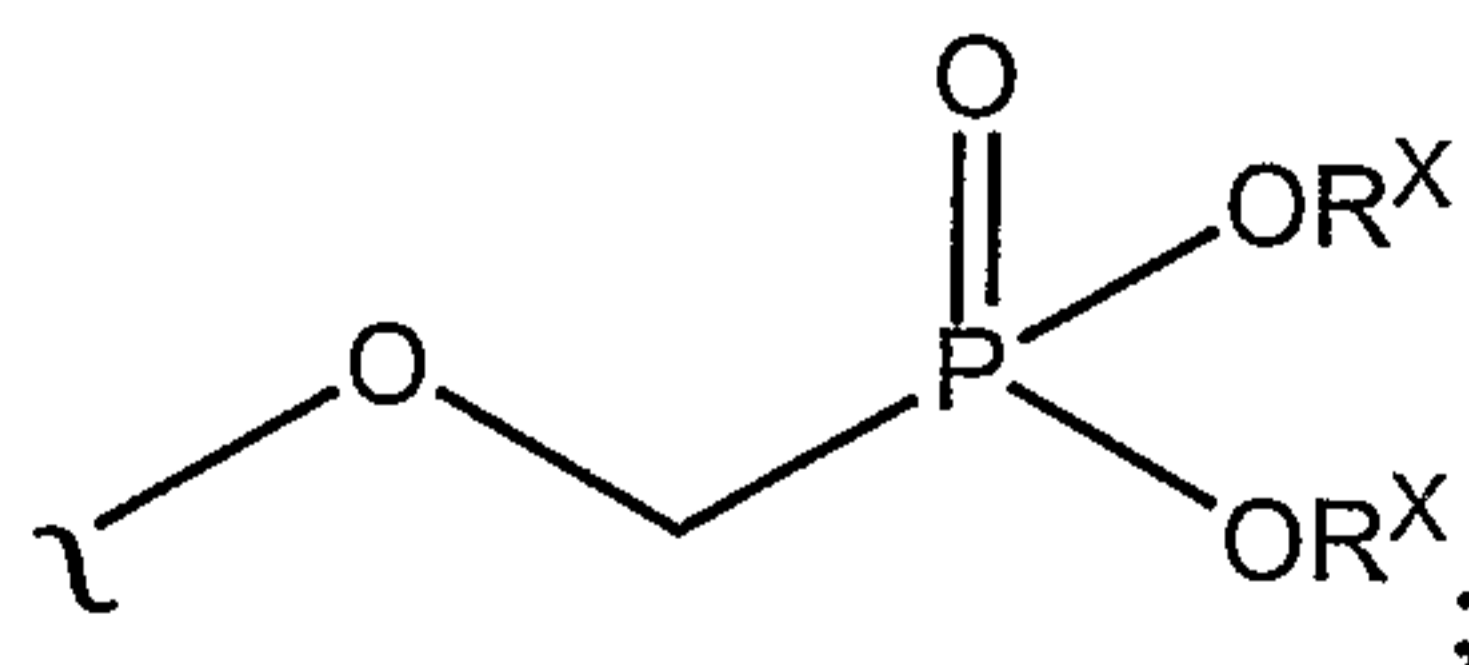
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19. The compound of Claim 1 selected from:

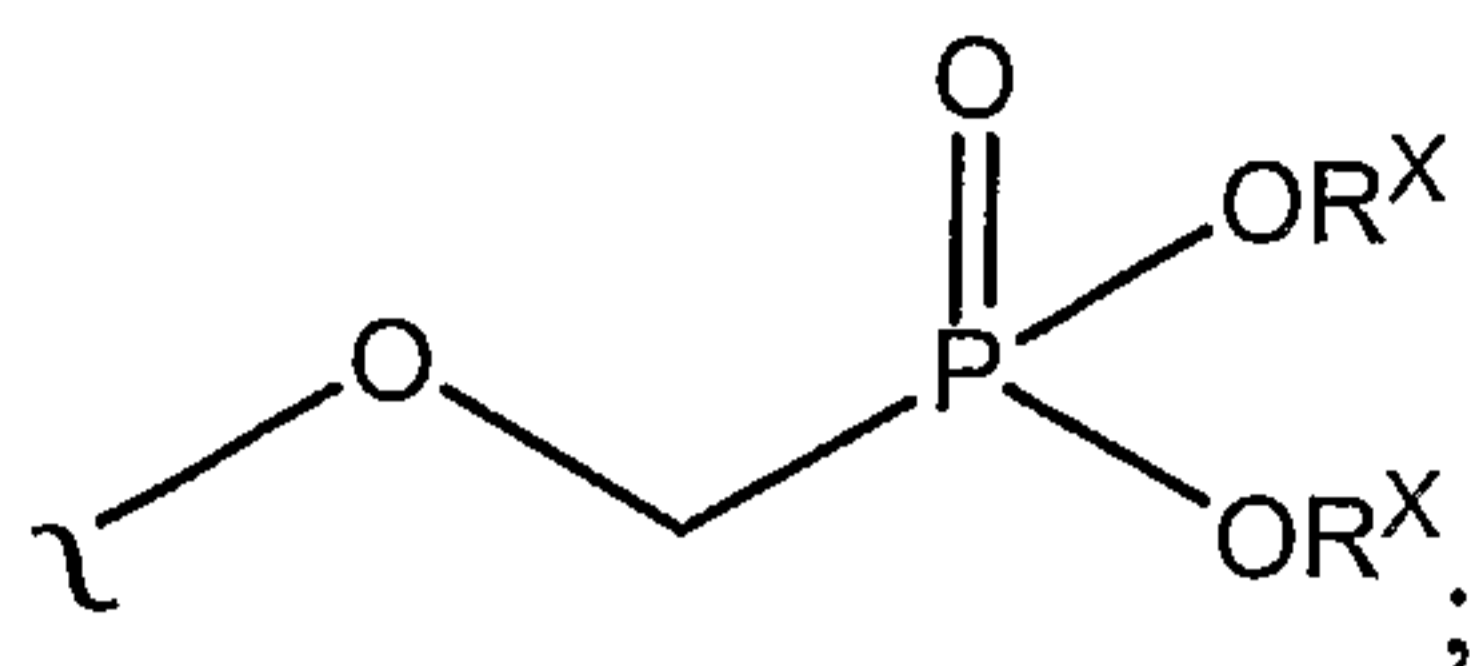
a) Formula 1A wherein  $A^0$  is  $A^3$ ;

25

b) Formula 1A wherein  $A^0$  is



A<sup>0</sup> is



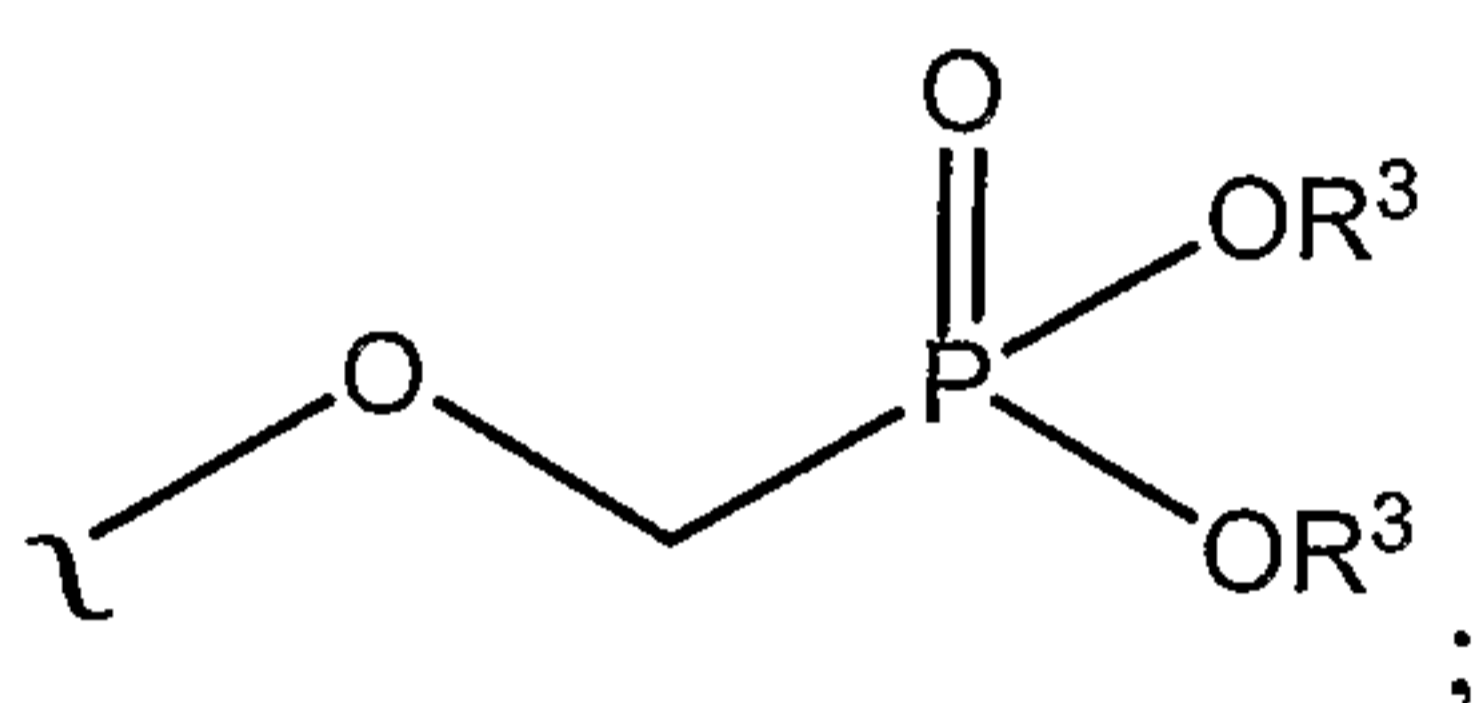
5

and

each R<sup>2</sup> and R<sup>2a</sup> is H;

d) Formula 1A wherein:

A<sup>3</sup> is



10

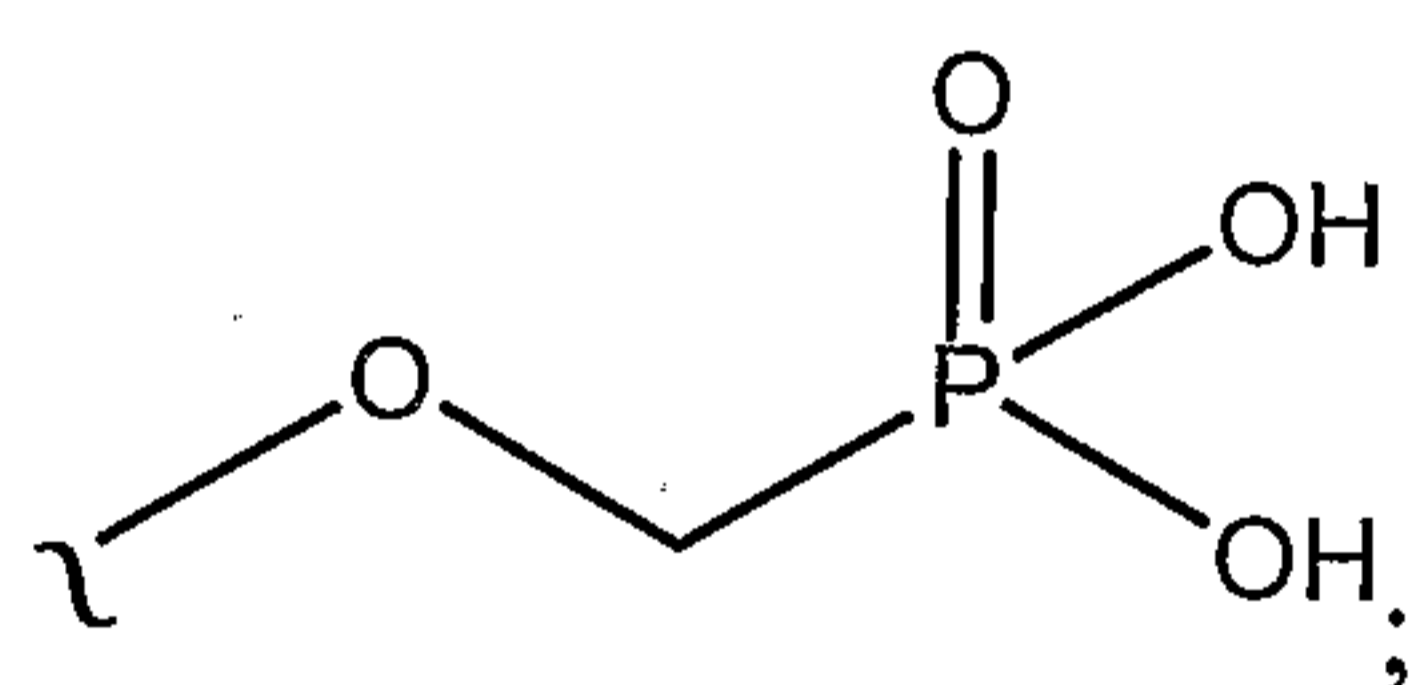
R<sup>3</sup> is -N(R<sup>x</sup>)(R<sup>x</sup>);

each R<sup>2</sup> and R<sup>2a</sup> is H.

e) Formula 1A wherein:

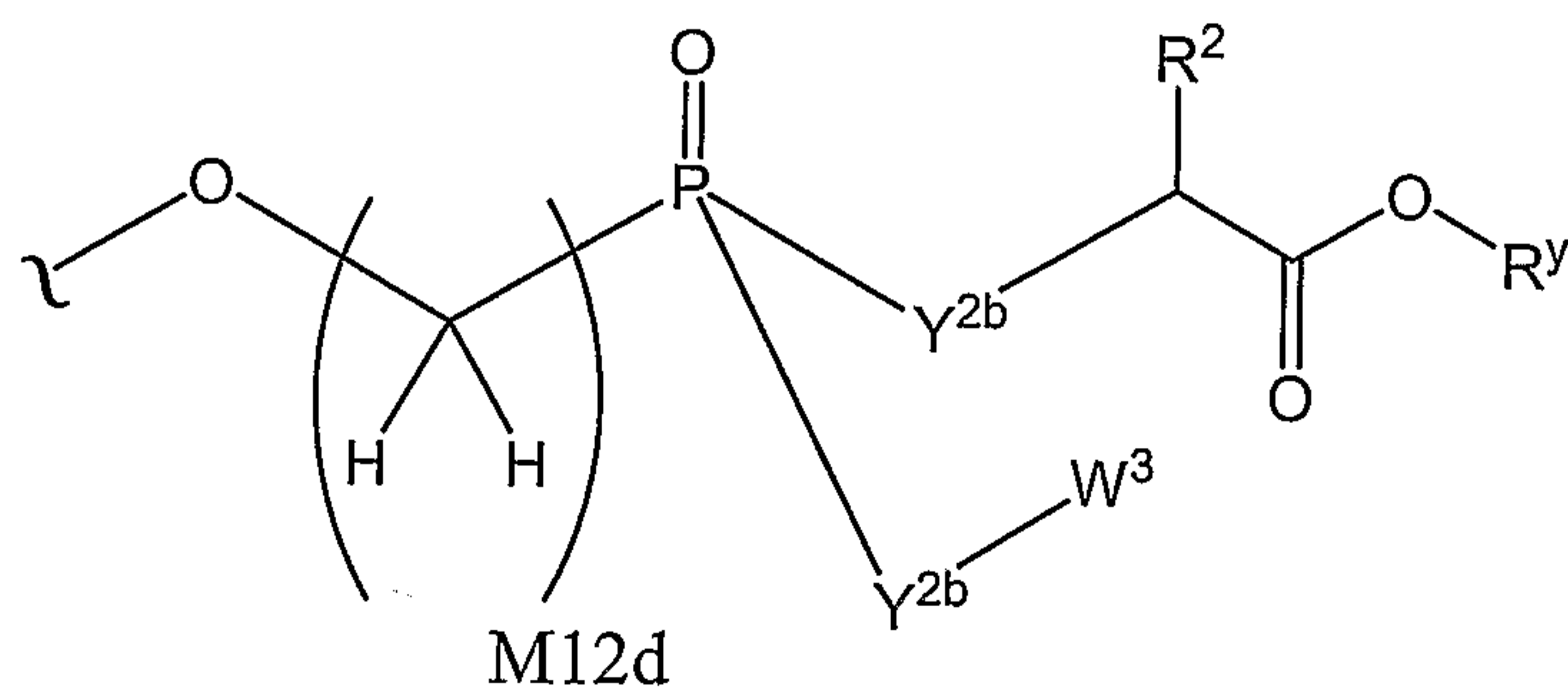
15

A<sup>0</sup> is



and each R<sup>2</sup> and R<sup>2a</sup> is H.

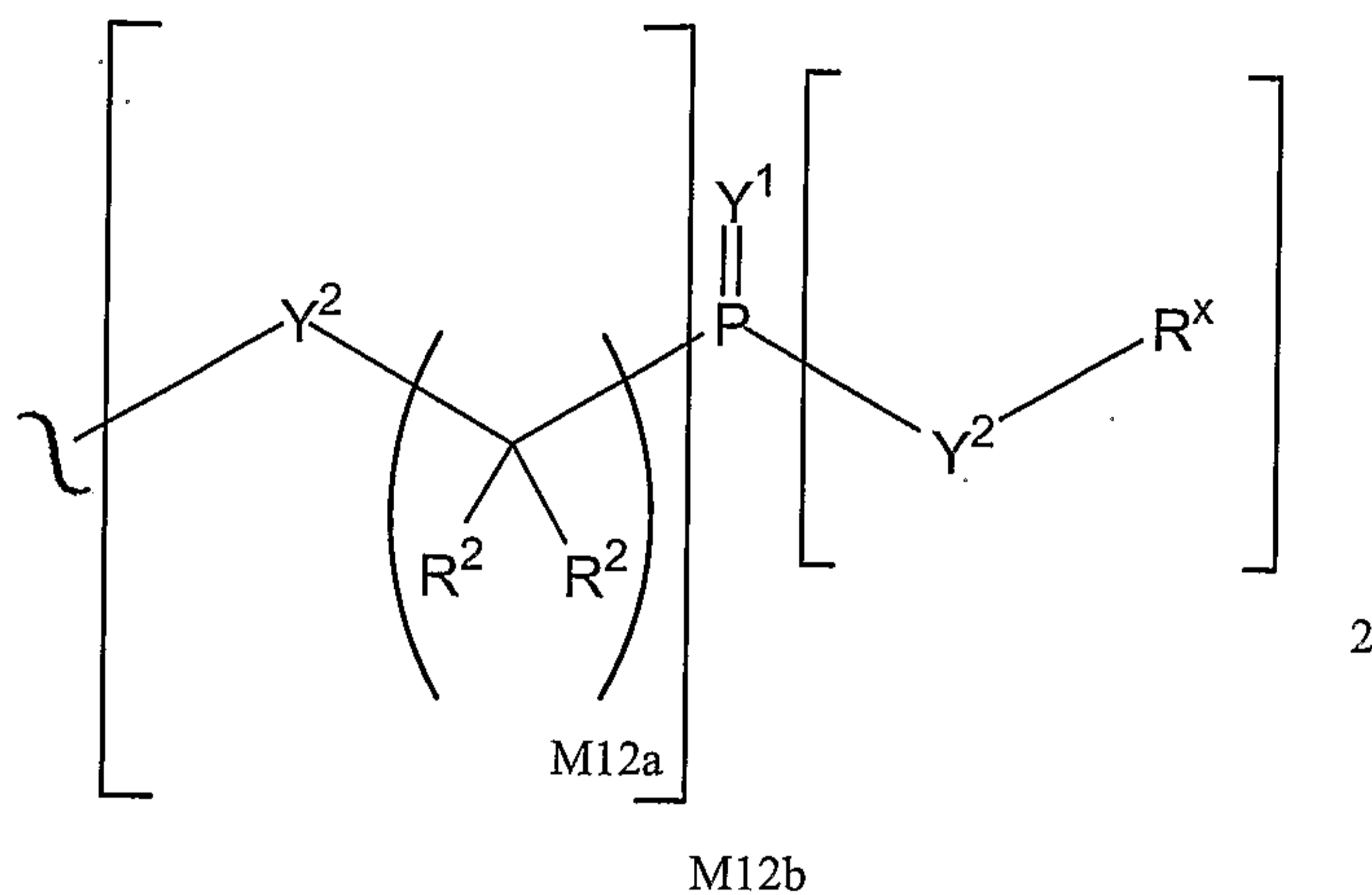
20 20. The compound of claim 1, wherein A<sup>3</sup> is of the formula:



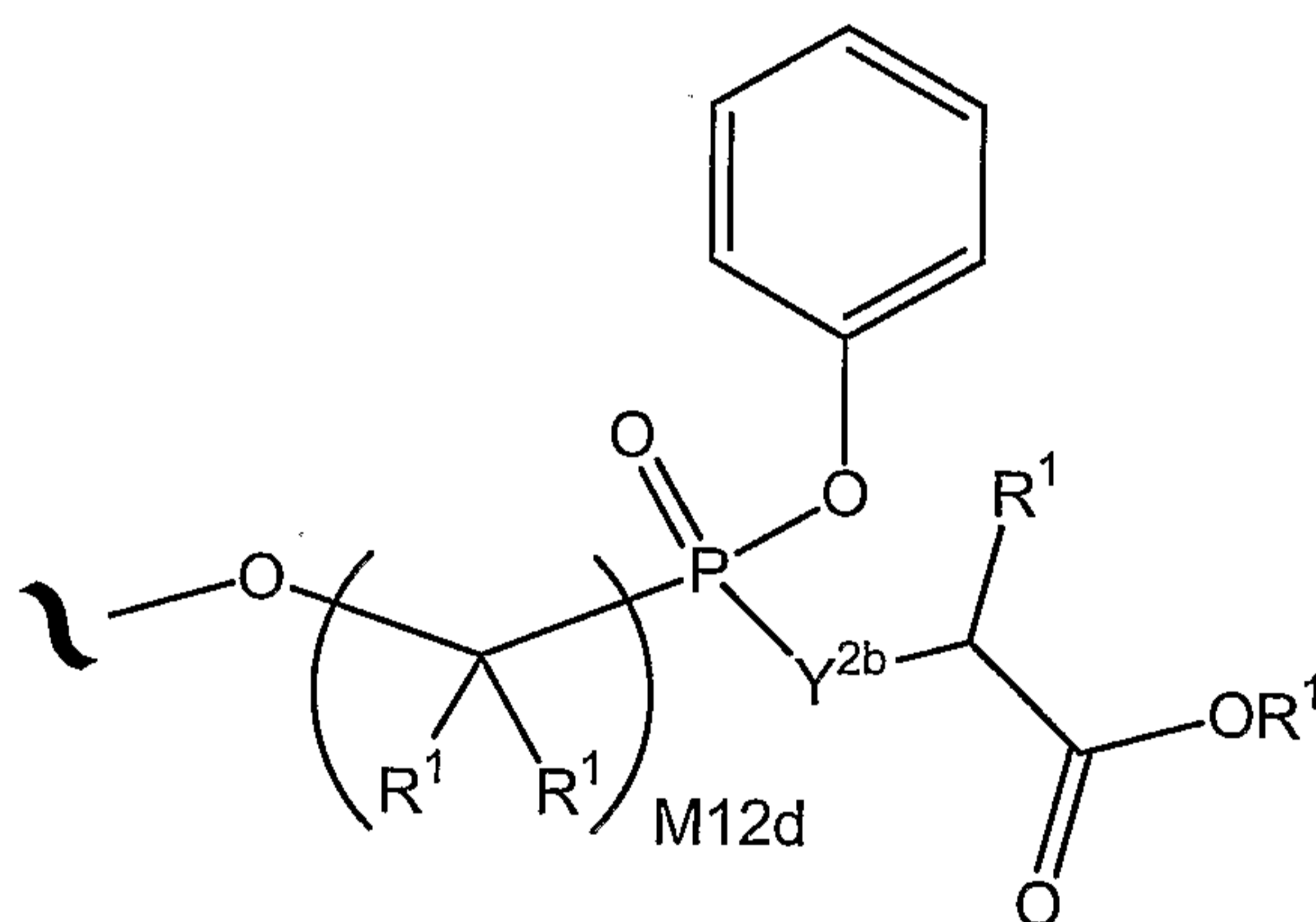
wherein:

M12d is 1, 2, 3, 4, 5, 6, 7 or 8.

- 5 21. The compound of claim 1 wherein A<sup>3</sup> is of the formula:

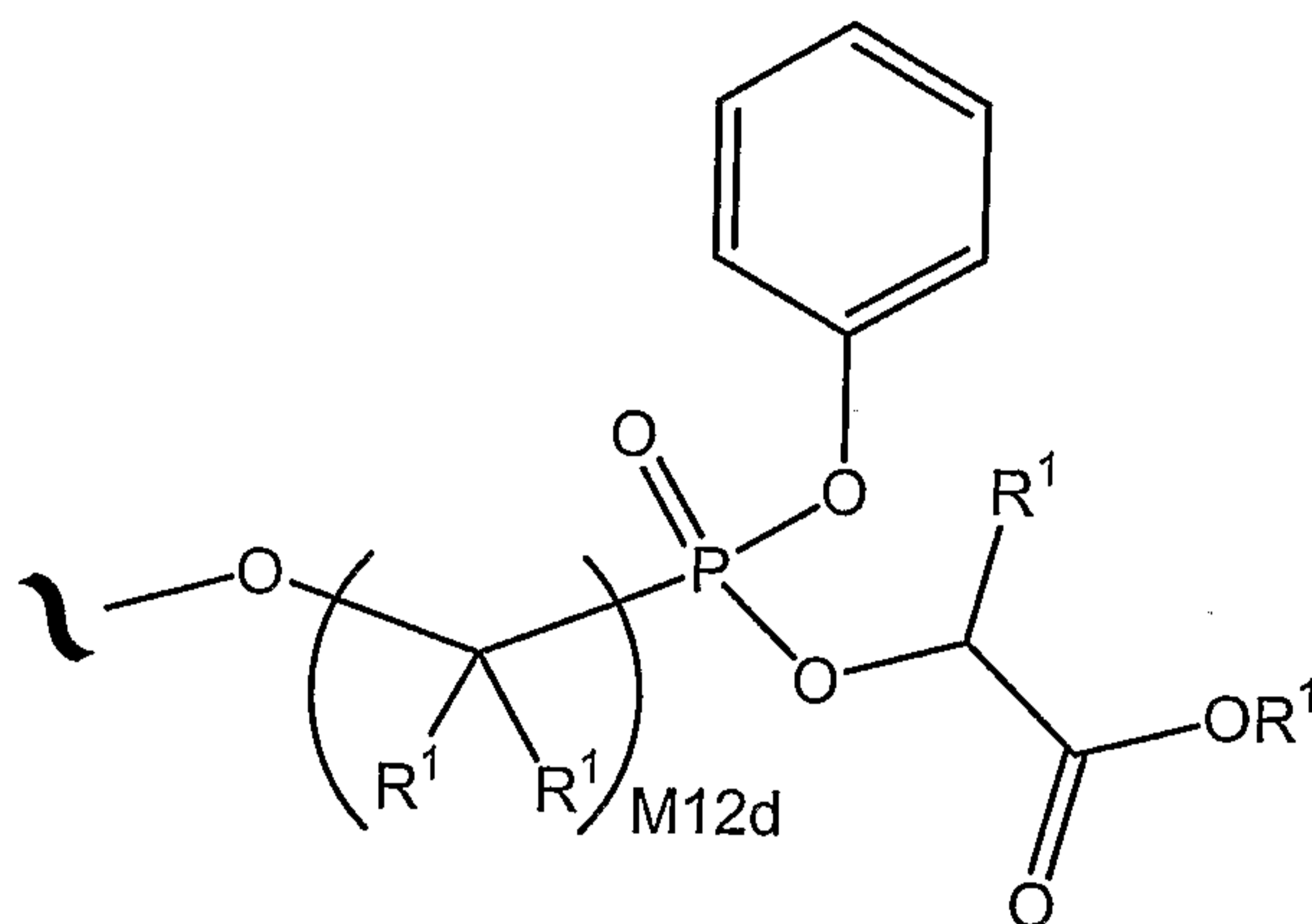


22. The compound of claim 1 wherein A<sup>3</sup> is of the formula:



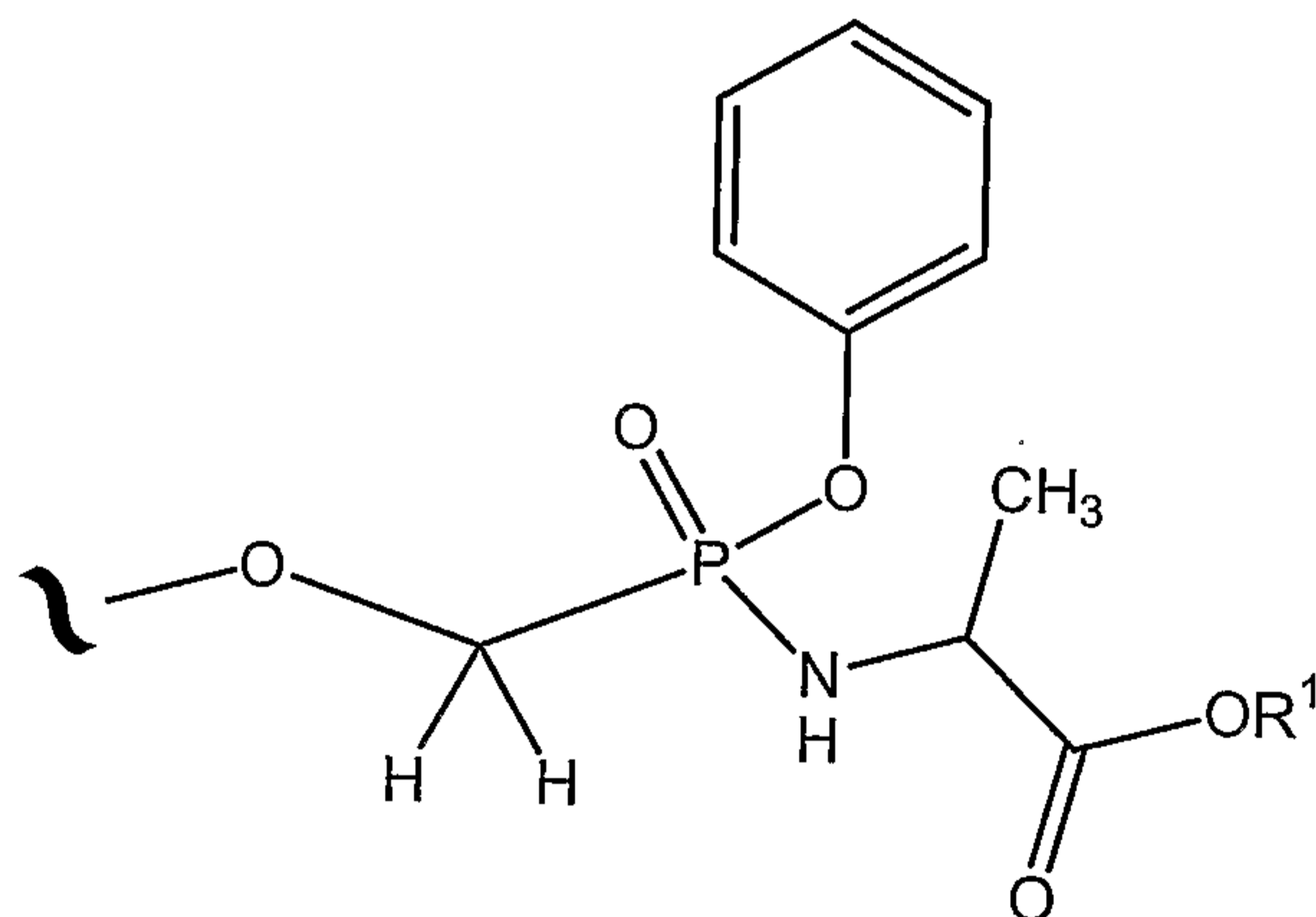
wherein the phenyl carbocycle is substituted with 0, 1, 2, or 3 R<sup>2</sup> groups.

23. The compound of claim 1 wherein A<sup>3</sup> is of the formula:



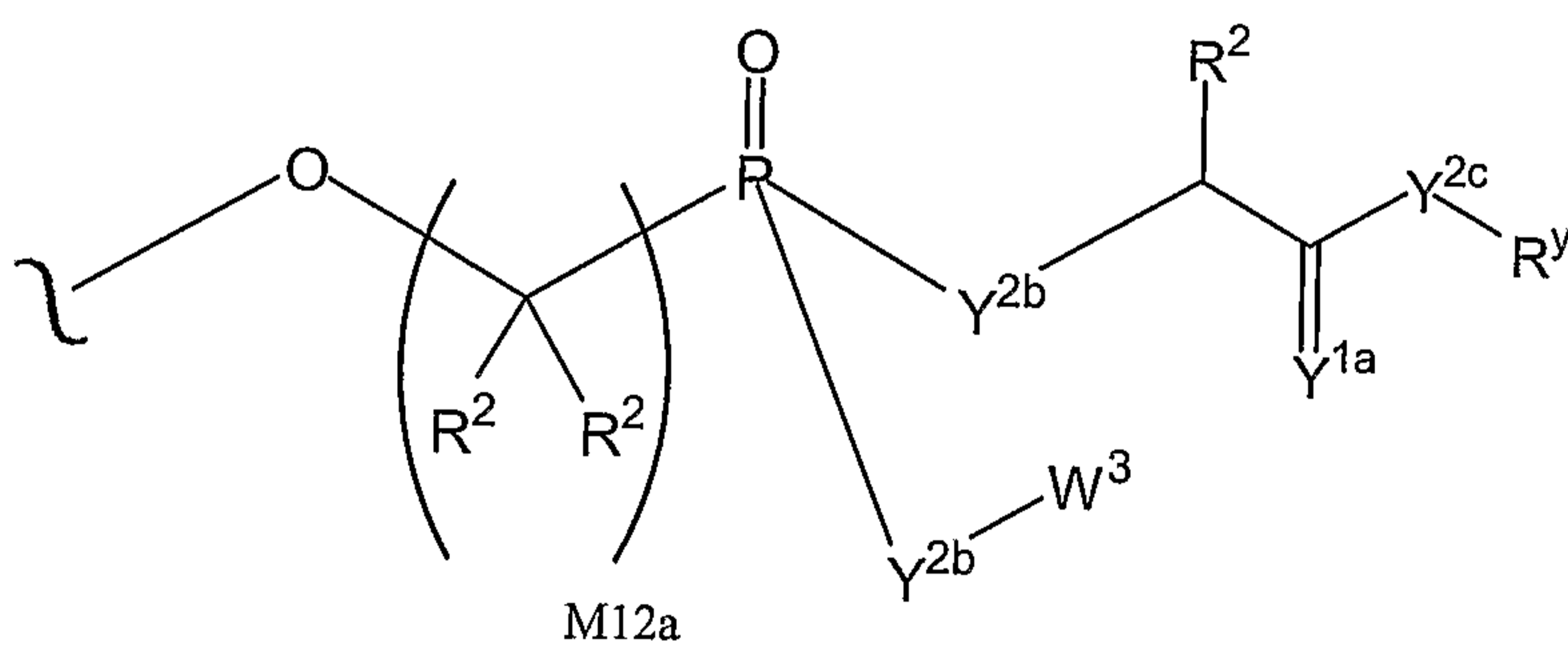
wherein the phenyl carbocycle is substituted with 0, 1, 2, or 3  $R^2$  groups.

24. The compound of claim 1 wherein  $A^3$  is of the formula:



5

25. The compound of claim 1 wherein  $A^3$  is of the formula:



10

wherein:

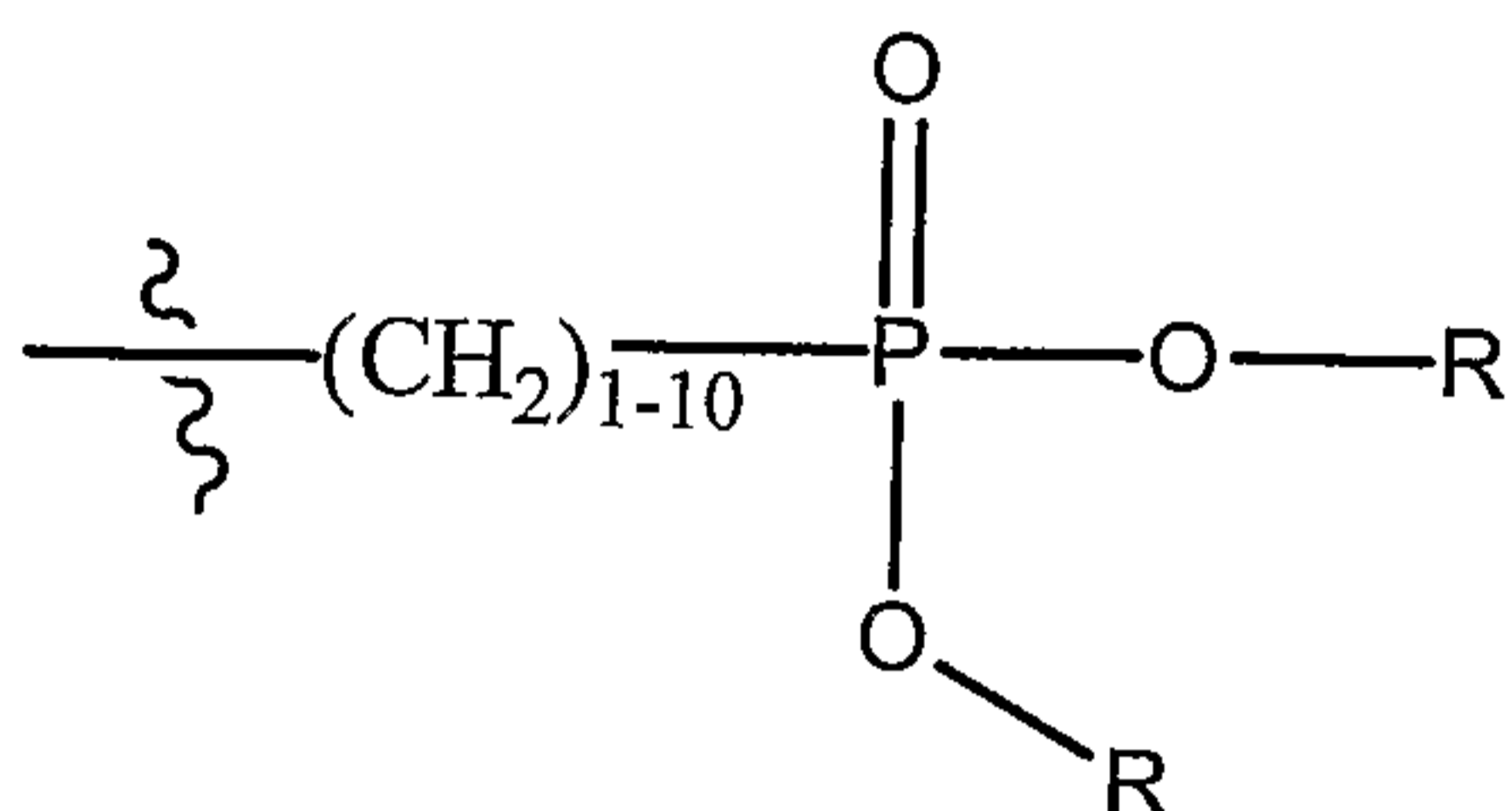
$Y^{1a}$  is O or S;

$Y^{2b}$  is O or  $N(R^2)$ ; and

$Y^{2c}$  is O,  $N(R^y)$  or S; and

selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, azido, haloalkyl, cycloalkyl, aryl, haloaryl, and heteroaryl.

- 5 26. The compound of claim 1 wherein A<sup>3</sup> is of the formula:



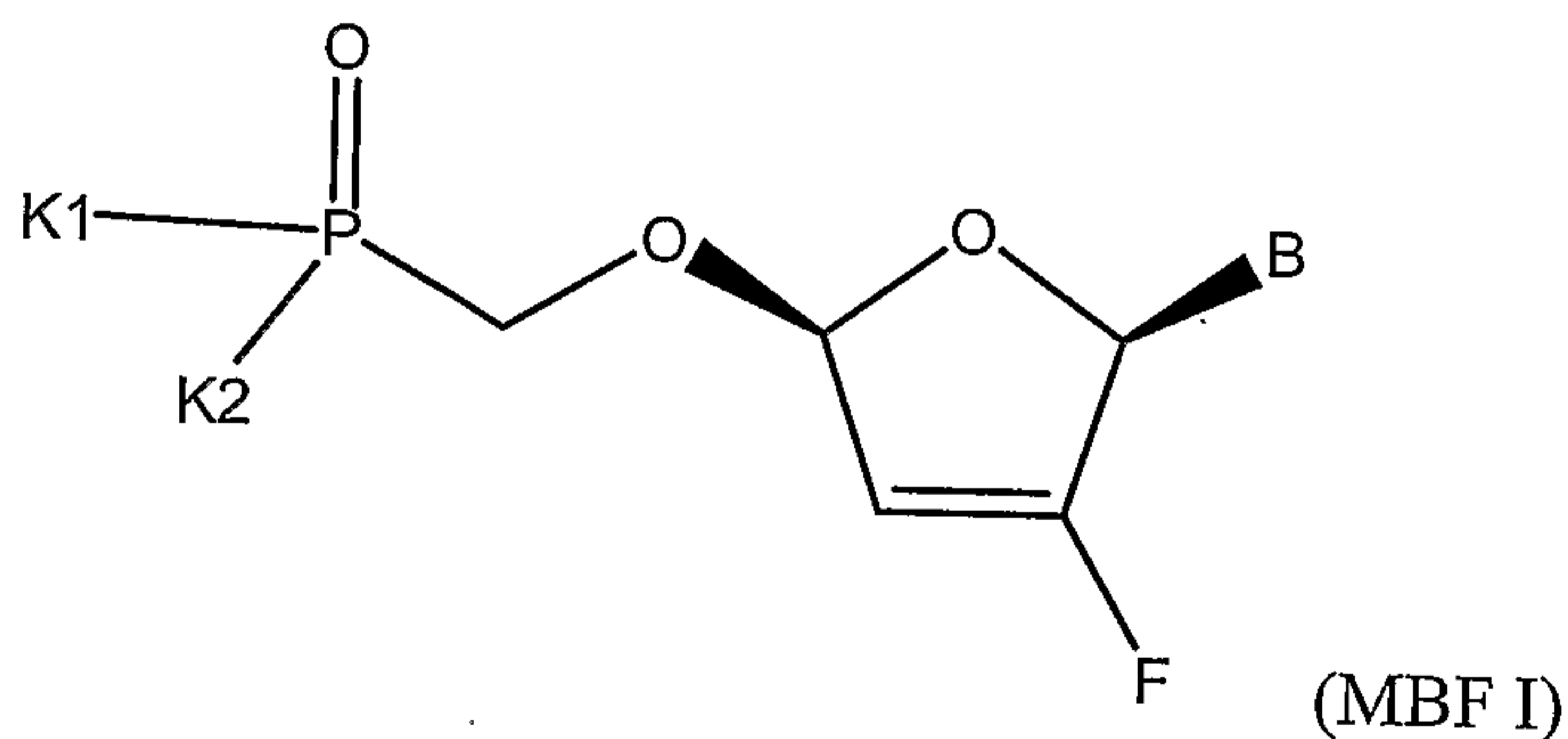
wherein each R is independently H or alkyl.

10

27. The compound of claim 1 which is isolated and purified.

28. A compound of formula MBF I, or prodrugs, solvates, or pharmaceutically acceptable salts or esters thereof

15



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wherein:

each K1 and K2 are independently selected from the group consisting of A<sup>5k</sup> and -Y<sup>k2</sup>A<sup>5k</sup>;

Y<sup>k2</sup> is O, N(R<sup>k</sup>), or S;

25

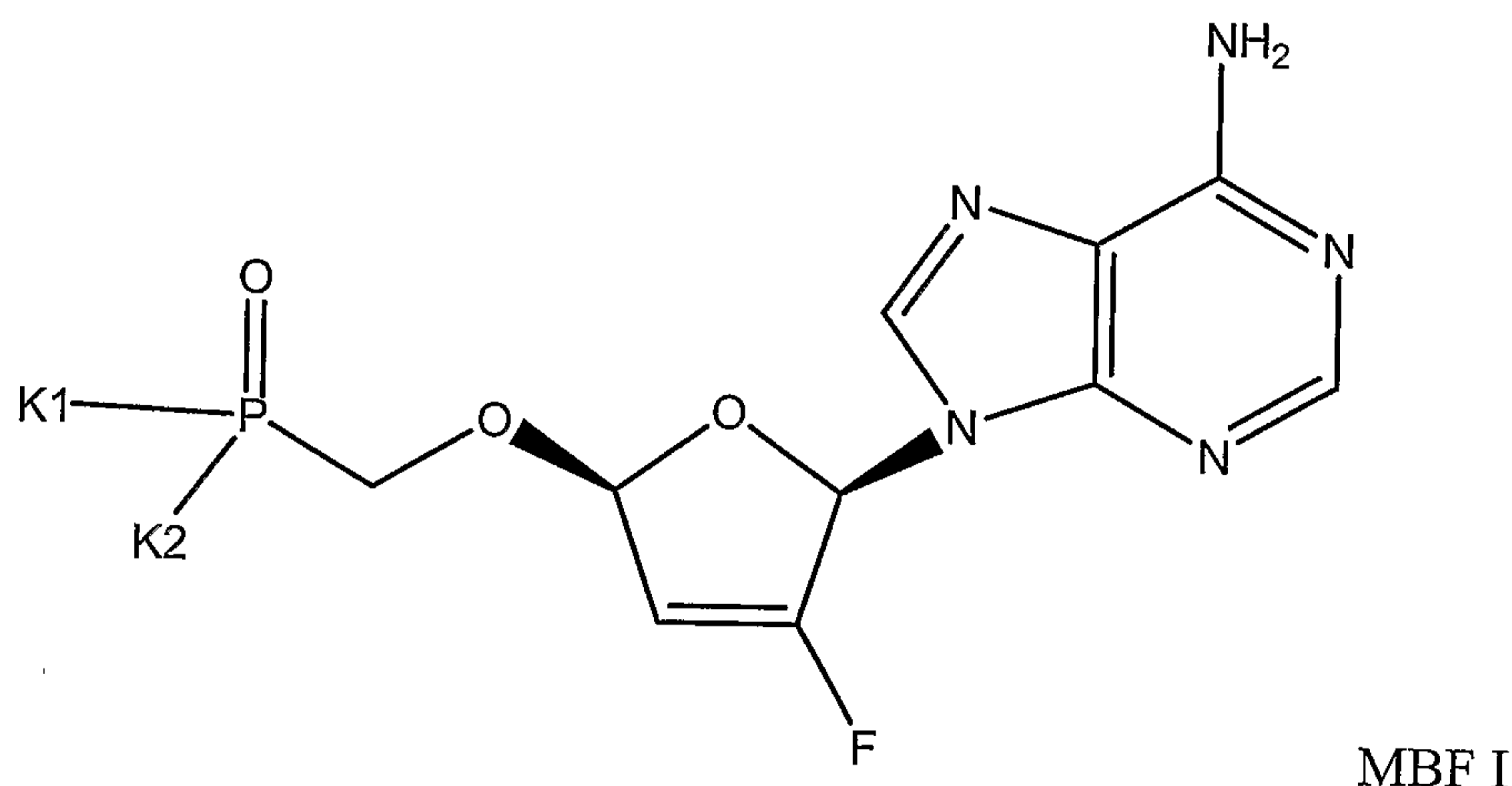
B is Base;

amino, amino acid, alkoxy, aryloxy, cyano, haloalkyl, cycloalkyl, aryl, haloaryl, or heteroaryl, optionally substituted with R<sup>k</sup>; and

R<sup>k</sup> is independently selected from the group consisting of H, halogen, alkyl, alkenyl, alkynyl, amino, amino acid, alkoxy, aryloxy, cyano, azido, haloalkyl, cycloalkyl, aryl, haloaryl, and heteroaryl; provided that when B is adenine, then both K1 and K2 are not simultaneously both -OH or -OEt.

29. The compound of claim 28 wherein B is selected from the group consisting of 2, 6-diaminopurine, guanine, adenine, cytosine, 5-fluoro-cytosine, monodeaza, and monoaza analogues thereof.

30. The compound of claim 28 wherein MBF I is of the formula



31. The compound of claim 1 wherein B is selected from the group consisting of adenine, guanine, cytosine, uracil, thymine, 7-deazaadenine, 7-deazaguanine, 7-deaza-8-azaguanine, 7-deaza-8-azaadenine, inosine, nebularine, nitropyrrole, nitroindole, 2-aminopurine, 2-amino-6-chloropurine, 2,6-diaminopurine, hypoxanthine, pseudouridine, pseudocytosine, pseudoisocytosine, 5-propynylcytosine, isocytosine, isoguanine, 7-deazaguanine, 2-thiopyrimidine, 6-thioguanine, 4-thiothymine, 4-thiouracil, O<sup>6</sup>-methylguanine, N<sup>6</sup>-methyladenine, O<sup>4</sup>-methylthymine, 5,6-dihydrothymine, 5,6-dihydrouracil, 4-methylindole, substituted triazole, and pyrazolo[3,4-D]pyrimidine.

B is selected from the group consisting of adenine, guanine, cytosine, uracil, thymine, 7-deazaadenine, 7-deazaguanine, 7-deaza-8-azaguanine, 7-deaza-8-azaadenine, aminopurine, 2-amino-6-chloropurine, 2,6-diaminopurine, and 7-deazaguanine.

5

33. The compound of claim 1 that is selected from Table Y.

34. The compound of claim 28 wherein K1 and K2 are selected from Table 100

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**Table 100**

K1	K2	Ester
Ala	OPh	cPent
Ala	OCH <sub>2</sub> CF <sub>3</sub>	Et
Ala	OPh	3-furan-4H
Ala	OPh	cBut
Phe(B)	OPh	Et
Phe(A)	OPh	Et
Ala(B)	OPh	Et
Phe	OPh	sBu(S)
Phe	OPh	cBu
Phe	OCH <sub>2</sub> CF <sub>3</sub>	iBu
Ala(A)	OPh	Et

Phe	OPh	sBu(R)
Ala(B)	OPh	CH <sub>2</sub> cPr
Ala(A)	OPh	CH <sub>2</sub> cPr
Phe(B)	OPh	nBu
Phe(A)	OPh	nBu
Phe	OPh	CH <sub>2</sub> cPr
Phe	OPh	CH <sub>2</sub> cBu
Ala	OPh	3-pent
ABA(B)	OPh	Et
ABA(A)	OPh	Et
Ala	OPh	CH <sub>2</sub> cBu
Met	OPh	Et
Pro	OPh	Bn
Phe(B)	OPh	iBu
Phe(A)	OPh	iBu
Phe	OPh	iPr
Phe	OPh	nPr
Ala	OPh	CH <sub>2</sub> cPr



Phe	OPh	Et
Ala	OPh	Et
ABA	OPh	nPent
Phe	Phe	nPr
Phe	Phe	Et
Ala	Ala	Et
CHA	OPh	Me
Gly	OPh	iPr
ABA	OPh	nBu
Phe	OPh	allyl
Ala	OPh	nPent
Gly	OPh	iBu
ABA	OPh	iBu
Ala	OPh	nBu
CHA	CHA	Me
Phe	Phe	Allyl
ABA	ABA	nPent
Gly	Gly	iBu

Gly	Gly	iPr
Phe	OPh	iBu
Ala	OPh	nPr
Phe	OPh	nBu
ABA	OPh	nPr
ABA	OPh	Et
Ala	Ala	Bn
Phe	Phe	nBu
ABA	ABA	nPr
ABA	ABA	Et
Ala	Ala	nPr
Ala	OPh	iPr
Ala	OPh	Bn
Ala	Ala	nBu
Ala	Ala	iBu
ABA	ABA	nBu
ABA	ABA	iPr
Ala	OPh	iBu

ABA	OPh	Me
ABA	OPh	iPr
ABA	ABA	iBu

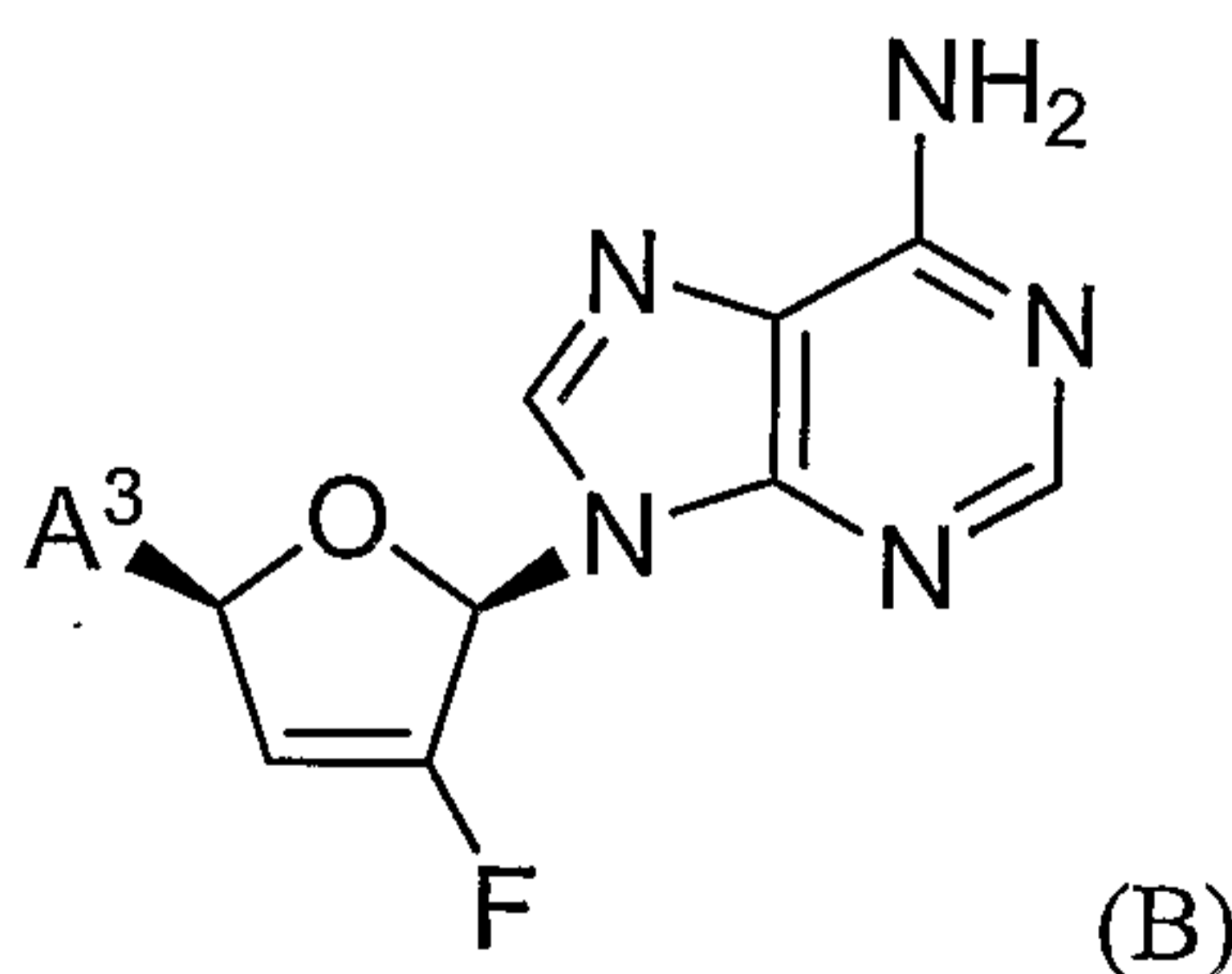
wherein Ala represents L-alanine, Phe represents L-phenylalanine, Met represents L-methionine, ABA represents (S)-2-aminobutyric acid, Pro represents L-proline, CHA represents 2-amino-3-(S)cyclohexylpropionic acid, Gly represents glycine;

K1 or K2 amino acid carboxyl groups are esterified as denoted in the ester column, wherein

cPent is cyclopentane ester ; Et is ethyl ester, 3-furan-4H is the (R) tetrahydrofuran-3-yl ester; cBut is cyclobutane ester; sBu(S) is the (S) secButyl ester; sBu(R) is the (R) secButyl ester; iBu is isobutyl ester; CH<sub>2</sub>cPr is methylcyclopropane ester, nBu is n-butyl ester ; CH<sub>2</sub>cBu is methylcyclobutane ester; 3-pent is 3-pentyl ester ; nPent is nPentyl ester; iPr is isopropyl ester , nPr is nPropyl ester ; allyl is allyl ester; Me is methyl ester; Bn is Benzyl ester; and

wherein A or B in parentheses denotes one stereoisomer at phosphorus, with the least polar isomer denoted as (A) and the more polar as (B).

35. A compound of formula B, and the salts and solvates thereof.



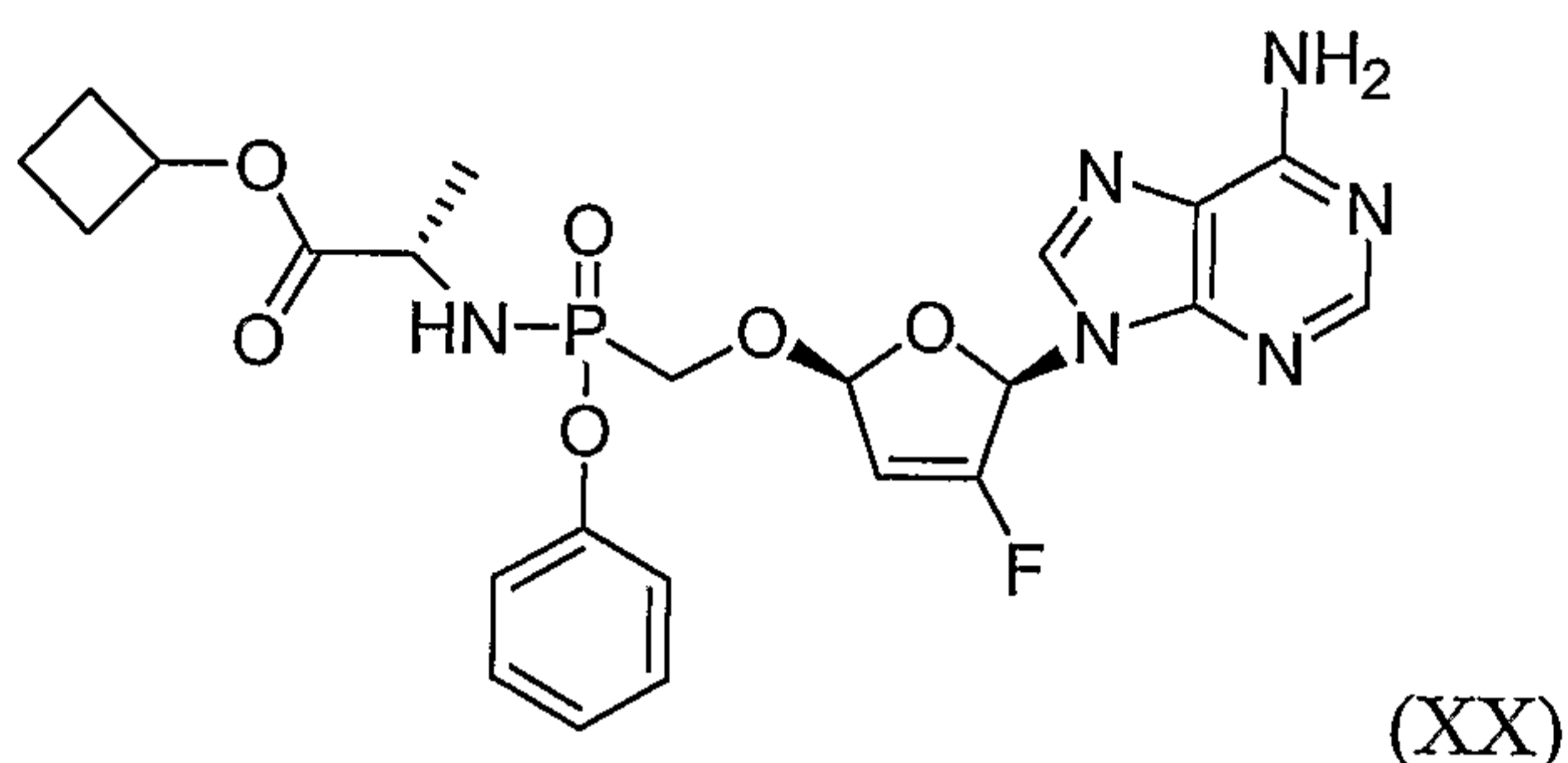




wherein the terminal R<sup>y</sup> of R<sup>x</sup> is a heterocycle containing 5 to 6 ring atoms and 1 or 2 N, O and/or S atoms in the ring.

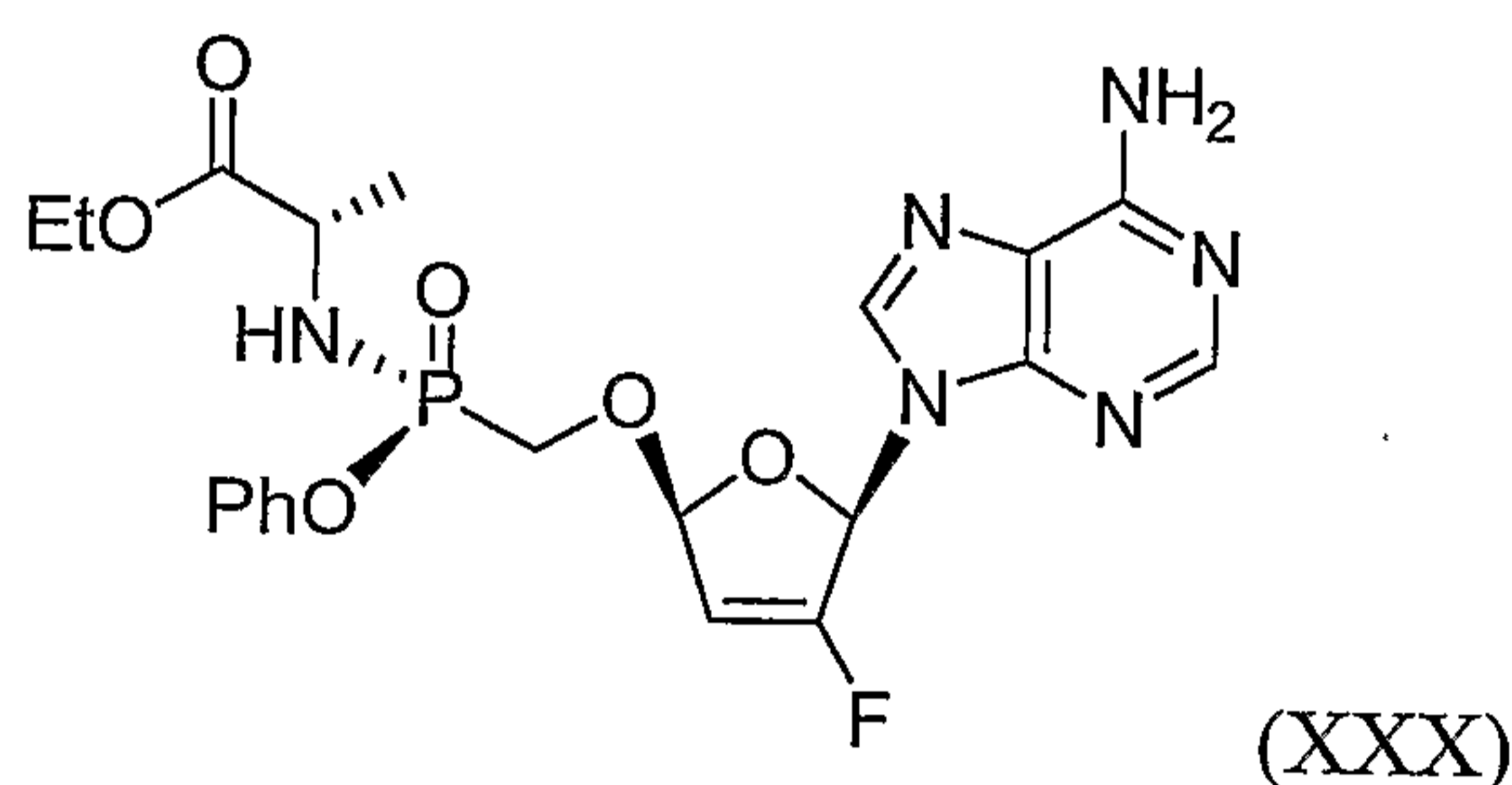
40. The compound of claim 1 having the formula XX:

5



41. The compound of claim 1 having the formula XXX:

10



42. A pharmaceutical composition comprising a pharmaceutical excipient and an antivirally-effective amount of the compound of claim 1.

15 43. The pharmaceutical composition of claim 32 that further comprises a second active ingredient.

44. A combination comprising the compound of claim 1 and one or more antivirally active ingredients.

20

45. The combination of claim 44 wherein one or more of the active ingredients is selected from Table 98.

46. The combination of claim 45 wherein one of the active ingredients is selected

----- group consisting of Truvada, Viread, Emtriva, d4T, Sustiva, or Amprenavir  
antiviral compounds.

5 47. The combination of claim 44 wherein one or more of the active ingredients is  
selected from Table 99.

10 48. The combination of claim 47 wherein one of the active ingredients is selected  
from the group consisting of Truvada, Viread, Emtriva, d4T, Sustiva, or Amprenavir  
antiviral compounds.

49. The combination of claim 46 for use in medical therapy.

50. The combination of claim 48 for use in medical therapy.

15 51. The pharmaceutical composition of claim 42 for use in medical therapy.

52. The pharmaceutical composition of claim 43 for use in medical therapy

20 53. The compound of claim 1 for use in antiretroviral or antihepadinaviral  
treatment.

54. A method of preparing the compound of claim 1 according to the Examples or  
Schemes.

25 55. Use of a compound of claim 1 for preparing a medicament for treating HIV or a  
HIV associated disorder.

56. A method of therapy for treating HIV or HIV-associated disorders with the  
compound of claim 1.

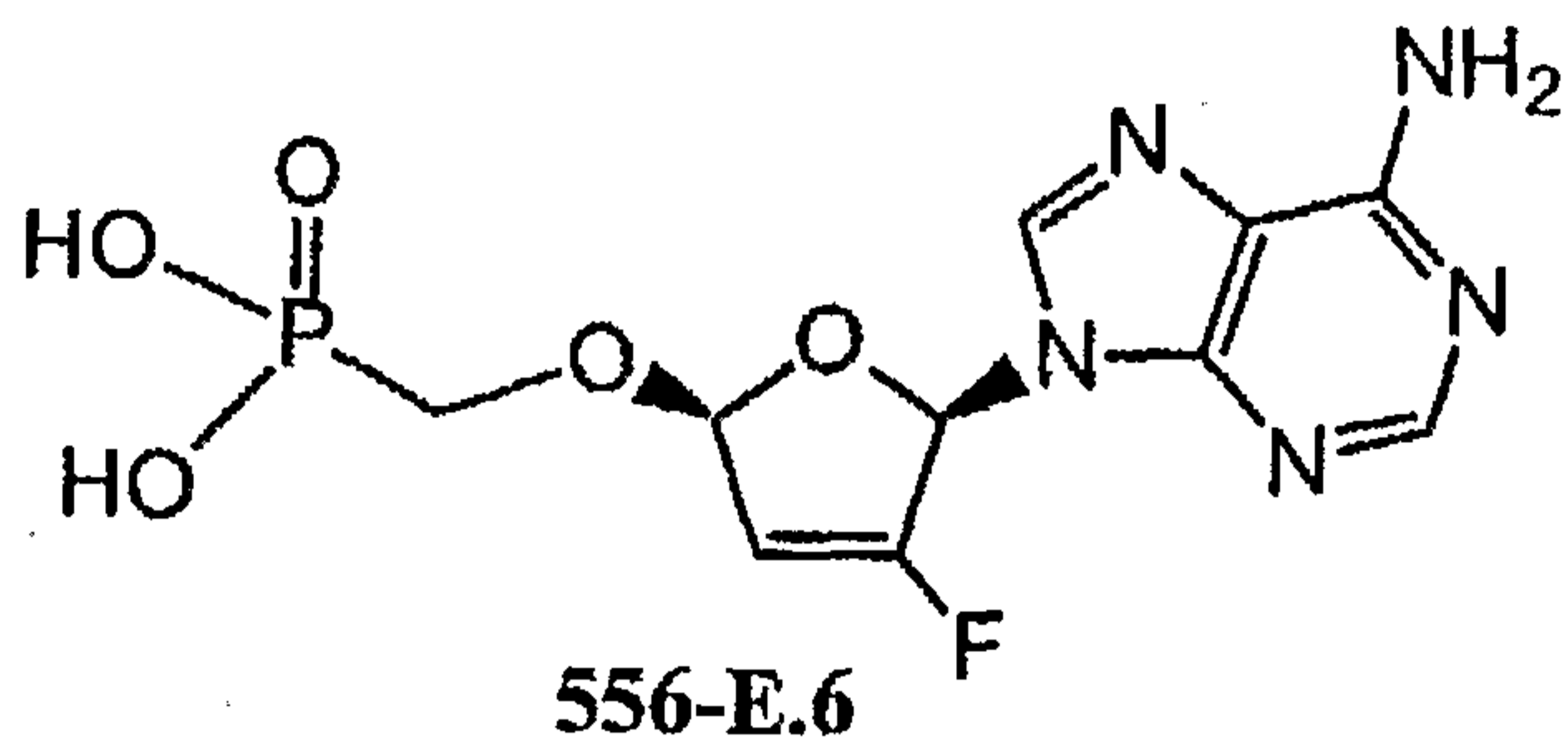
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57. A method of treating disorders associated with HIV, said method comprising  
administering to an individual infected with, or at risk for HIV infection, a

pharmaceutical composition which comprises a therapeutically effective amount of the compound of any of claims 1-28.

58. A compound of Table Y, provided the compound is not

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or its ethyl diester.

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