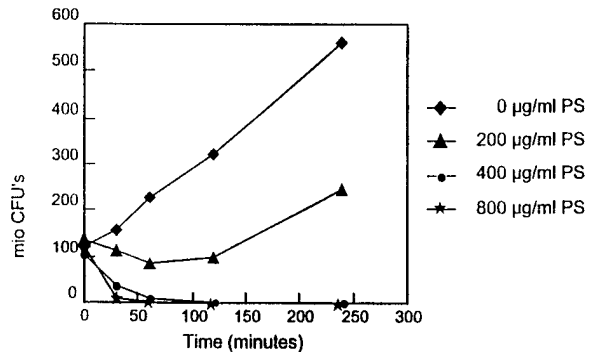
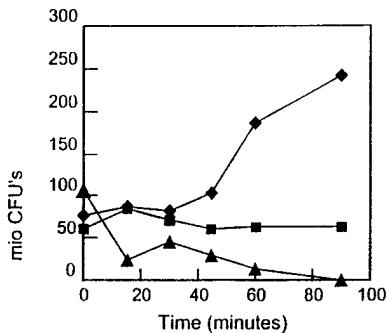
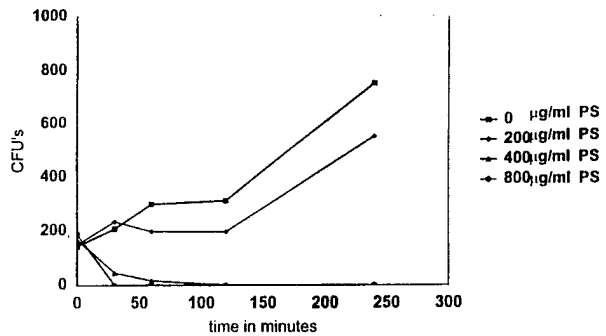
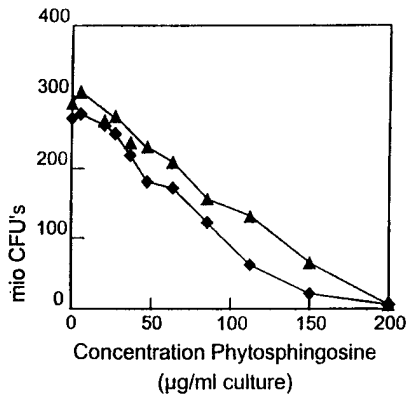




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| <p>(51) International Patent Classification ⁶ : A61K 7/48, 7/32, 7/22, A01N 33/08</p> | <p>A3</p> | <p>(11) International Publication Number: WO 98/49999 (43) International Publication Date: 12 November 1998 (12.11.98)</p> |
| <p>(21) International Application Number: PCT/EP98/02795 (22) International Filing Date: 4 May 1998 (04.05.98) (30) Priority Data: 97201304.9 2 May 1997 (02.05.97) EP (34) Countries for which the regional or international application was filed: AT et al. (71) Applicant (for all designated States except US): GIST-BROCADES B.V. [NL/NL]; Wateringseweg 1, P.O. Box 1, NL-2600 MA Delft (NL). (72) Inventors; and (75) Inventors/Applicants (for US only): LAMBERS, Johannes, Wilhelmus, Jacobus [NL/NL]; Altena 10, NL-2641 LB Pijnacker (NL). STREEKSTRA, Hugo [NL/NL]; Weteringstraat 28 I, NL-1017 SP Amsterdam (NL). (74) Agents: VISSER-LUIRINK, Gesina et al.; Gist-Brocades B.V., Patents and Trademarks Dept., Wateringseweg 1, P.O. Box 1, NL-2600 MA Delft (NL).</p> | <p>(81) Designated States: BR, JP, KR, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report. (88) Date of publication of the international search report: 4 February 1999 (04.02.99)</p> | |

(54) Title: ANTIMICROBIAL COMPOSITIONS FOR TOPICAL USE



(57) Abstract

The present invention discloses that topically occurring microbial growth is inhibited by applying a topical composition comprising a sphingoid base. Specifically, said sphingoid base is effectively formulated in combination with a surfactant.

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International Application No
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| X | DE 195 03 423 A (BEIERSDORF) 8 August 1996 see examples 5,14-18 --- | 1-12 | | |
| X,P | DE 196 43 585 A (BEIERSDORF) 23 April 1998 see page 4, line 42; claims 1-6 --- | 1-12 | | |
| A | STN, File Supplier, Karlsruhe, DE, File XP002083142 cited in the application Medline, AN=96169713 see the abstract --- | 1-12 | | |
| A | STN, File Supplier, Karlsruhe, DE, File XP002083143 Medline, AN=94152179 see the abstract --- | 1-12 | | |
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| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | | Authorized officer <p style="text-align: center; font-size: 1.2em;">Fischer, J.P.</p> | | |

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| A | STN, File Supplier, Karlsruhe, DE, File XP002083145 cited in the application Medline, AN=92185246 see the abstract ----- | 1-12 |

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information on patent family members

International Application No

PCT/EP 98/02795

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|------------------------------|--------------------------|
| DE 19503423 A | 08-08-1996 | WO 9623479 A EP 0806935 A | 08-08-1996 19-11-1997 |
| DE 19643585 A | 23-04-1998 | NONE | |