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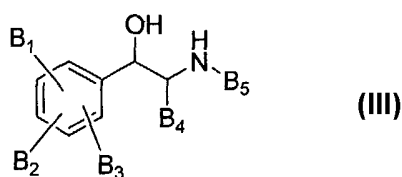
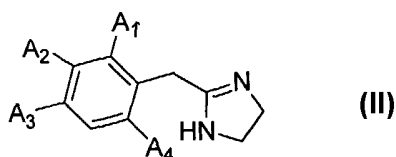
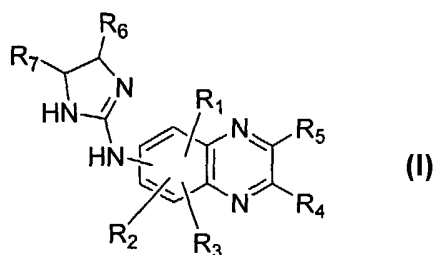
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(54) Title: COMPOUNDS, FORMULATIONS, AND METHODS FOR TREATING OR PREVENTING ROSACEA



(57) Abstract: In methods, compounds, and topical formulations for treatment of rosacea incorporating compounds represented by the formulas below: (I) wherein each of R₁, R₂, and R₃ is independently hydrogen, halogen, alkyl, or alkoxy; each of R₄ and R₅ is independently hydrogen, alkyl, or alkoxy; and each of R₆ and R₇ is independently hydrogen, nitro, alkyl, or alkoxy; wherein each of A₁, A₃, and A₄ is independently hydrogen or alkyl; and A₂ is independently hydrogen or hydroxy; and wherein each of B₁, B₂, and B₃ is independently hydrogen, hydroxy, or alkoxy; and each of B₄ and B₅ is independently hydrogen or alkyl, applying such compounds topically as sprays, mists, aerosols, solutions, lotions, gels, creams, ointments, pastes, unguents, emulsions, and suspensions to treat rosacea and its symptoms.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/16799

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(7) : A61K 31/52, 31/44, 31/135
 US CL : 514/263, 289, 649, 913
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 514/263, 289, 649, 913

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---------------|---|-----------------------|
| X --- A | US4,164,570 A (CLOUGH et al) 14 August 1979 (14.08.1979), see full text. | 8-28 ----- 1-7 |
| X --- A | US 6,441,047 B2 (DESANTIS, JR.) 27 August 2002 (27.08.2002), see full text and claims. | 8-28 ----- 1-7 |
| X --- A | US 5,442,053 A (DELLA VALLE et al) 15 August 1995 (15.08.1995), see full text and claims. | 8-28 ----- 1-7 |
| X --- A | US2002/0197300 A1 (SCHULTZ et al) 26 December 2002 (26.12.2002), see abstract and claims. | 8-28 ----- 1-7 |

Further documents are listed in the continuation of Box C. See patent family annex.

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| "P" document published prior to the international filing date but later than the priority date claimed | | |

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---------------|--|-----------------------|
| X --- A | US 2003/0087962 A1 (DEMOPULOS et al) 08 May 2003 (08.05.03), see full text. | 8-28 ----- 1-7 |
| X --- A | US 6,284,765 B1 (CAFFREY) 04 September 2001 (04.09.2001) see full text. | 8-28 ----- 1-7 |

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Continuation of B. FIELDS SEARCHED Item 3:

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structure searched and term searched: alpha adrenergic agonist, rosacea, epinephrine, naphazoline, etc