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- (71) Applicant (for all designated States except US): ANACOR PHARMACEUTICALS, INC. [US/US]; 1060 East Meadow Circle, Palo Alto, CA 94303 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LEE, Ving [US/US]; 1335 Carvo Court, Los Altos, CA 94024 (US). PLATTNER, Jacob, J. [US/US]; 1016 Amito Avenue, Berkeley, CA 94705 (US). BENKOVIC, Stephen, J. [US/US]; 771 Teaberry Lane, State College, PA 16803 (US). BAKER, Stephen, J. [GB/GB]; 1568 Begen Avenue, Mountain View, CA 94040 (US). MAPLES, Kirk, R. [US/US]; 1195 San Moritz Drive, San Jose, CA 95132 (US). BELLINGER-KAWAHARA, Carolyn [US/US]; 15 Landa Lane, Redwood City, CA 94061 (US). AKAMA, Tsutomu [JP/US]; 832 Azure Street, Sunnyvale, CA 94087 (US). ZHANG, Yong-Kang [US/US]; 5151 Westmont Avenue, San Jose, CA 95130 (US). SINGH, Rajeshwar [CA/CA]; 1435 Loewen Court, Edmonton, Alberta T6R 2Y1 (CA). SAURO, Vittorio, A. [CA/CA]; 3843 24th Street, Edmonton, Alberta T6T 1K6 (CA).
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(54) Title: HYDROLYTICALLY-RESISTANT BORON-CONTAINING THERAPEUTICS AND METHODS OF USE

(57) Abstract: Compositions and methods of use of borole derivatives, including benzoxaboroles, benzazaboroles and benzthiaboroles, as therapeutic agents for treatment of diseases caused by bacteria or viruses are disclosed, as well as methods for synthesis of said agents and compositions thereof.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/18765

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 31/69; C07F 5/02

US CL : 514/64; 568/6

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. : 514/64; 568/6

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	Zhdankin et al, Tetrahedron Letters, Synthesis and Structures of Benzoboroxoles: Novel Organoboron Heterocycles, 1999, 40, pages 6705-6708, see page 6707 bottom, compound 9.	1, 2, 5 and 66
X	Koster et al, Liebigs Annalen der Chemie, Cyclisierung vo Bor-Stickstoff-Verbindungen in der Hitze, 1968, 720, pages 23-31, see page 25, top, compound 6c1.	1, 4, 5 and 66
A	US 5,880,188 A (AUSTIN et al) 09 March 1999 (09.03.1999), see entire document.	20-43

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Paul A. Zucker

Telephone No. 703-308-1235

INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:
CAS ONLINE
search terms: structures, ?bact?, ?microb?