

(19) World Intellectual Property
Organization
International Bureau



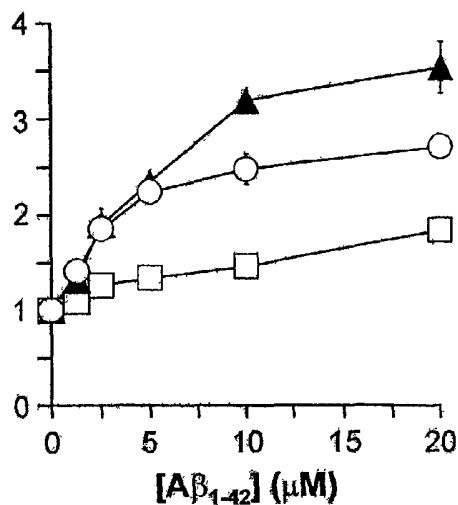
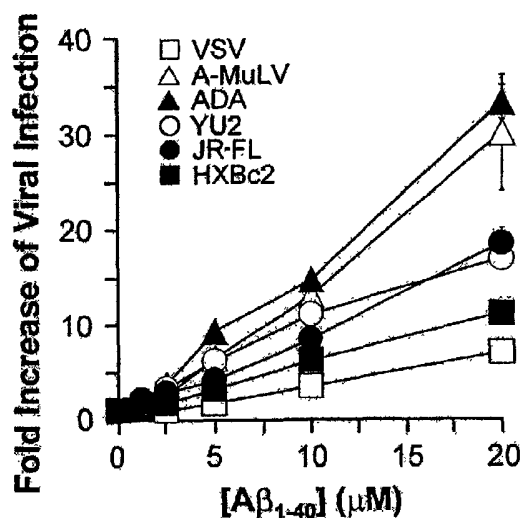
(43) International Publication Date
24 December 2003 (24.12.2003)

PCT

(10) International Publication Number
WO 2003/105677 A3

- (51) International Patent Classification⁷: **C12Q 1/00**, 1/02, G01N 33/53
- (21) International Application Number: PCT/US2003/019365
- (22) International Filing Date: 18 June 2003 (18.06.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/390,040 18 June 2002 (18.06.2002) US
60/394,390 8 July 2002 (08.07.2002) US
- (71) Applicant (for all designated States except US): **PRAECIS PHARMACEUTICALS, INC.** [US/US]; 830 Winter Street, Waltham, MA 02451-1420 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **ISRAEL, David, I.** [US/US]; 117 Anson Road, Concord, MA 01742 (US). **MIRZABEKOV, Tajib** [RU/US]; 4400 The Woods Drive, Apartment No. 1632, San Jose, CA 95136 (US). **WOJ-TOWICZ, Woj, M.** [US/US]; 519 S. Barrington Avenue, Apartment No. 2, Los Angeles, CA 90049 (US). **SO-DROSKI, Joseph** [US/US]; 10 Ashland Place, Medford, MA 02155 (US).
- (74) Agents: **DECONTI, Giulio, A.** et al.; Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- (88) Date of publication of the international search report:
4 March 2004
- 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.

(54) Title: METHODS FOR TREATING VIRAL DISEASES USING MODULATORS OF AMYLOIDOGENIC PEPTIDE AGGREGATION



(57) Abstract: The present invention provides methods and compositions for modulating infection of a cell by a virus and methods and compositions for treating a viral disease, e.g., a viral disease of the brain, in a subject. Figure (1) is a graph demonstrating that AB stimulates infection by recombinant HIV-1 viruses.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US03/19365**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : C12Q 1/00, 1/02; G01N 33/53

US CL : 435/4, 29, 975

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. : 435/4, 29, 975

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

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

WEST: amyloidogenic peptide modulator, viral diseases, kit

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,948,763 A (SOTO-JARA et al) 07 December 1999, see entire document.	1-10, 16-45
X	US 6,153,171 A (ROWE et al) 28 November 2000, see entire document.	1-10, 16-45



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

24 NOVEMBER 2003

Date of mailing of the international search report

10 DEC 2003

Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

LOUISE LEARY

Telephone No. (703) 308-1235