## (19) World Intellectual Property **Organization**

International Bureau





(43) International Publication Date 6 May 2004 (06.05.2004)

## (10) International Publication Number WO 2004/037168 A3

(51) International Patent Classification<sup>7</sup>:

(21) International Application Number:

PCT/US2003/030224

A61K 38/00

(22) International Filing Date:

24 September 2003 (24.09.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/419,440

18 October 2002 (18.10.2002)

(71) Applicant (for all designated States except US): AMYLIN PHARMACEUTICALS, INC. [US/US]; Legal Department, 9360 Towne Centre Drive, San Diego, CA 92121 (US).

- (72) Inventors; and
- (75) Inventors/Applicants (for US only): GEDULIN, Bronislava [US/US]; Amylin Pharmaceuticals, Inc., 9360 Towne Centre Drive, San Diego, CA 92121 (US). YOUNG, Andrew, A. [NZ/US]; Amylin Pharmaceuticals, Inc., 9360 Towne Centre Drive, San Diego, CA 92121 (US).
- (74) Agents: MARSH, David, R. et al.; Arnold & Porter, 555 Twelfth Street, NW, Washington, DC 20004-1206 (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, EG, 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, SY, 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
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 11 November 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: TREATMENT OF PANCREATITIS WITH AMYLIN

(57) Abstract: The disclosed invention provides for the treatment of pancreatitis, and the alleviation of pain associated therewith, with amylin, amylin agonists and amylin analogs.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/30224

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : A61K 38/00  US CL : 514/12  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.: 514/12			
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) Searched West			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category * Citation of	Citation of document, with indication, where appropriate, of the relevant passages		
Y US 6,251,926	5 B1 (MOMOSE et al) 26 June 2001 (2	26.06.2001), column 23, lines 26-43.	
Y US 5,516,651	US 5,516,651 A (GOLDRING et al) 14 May 1996 (14.05.1996), column 1, lines 36-54.		
Further documents are	elisted in the continuation of Box C.	See patent family annex.	
Special categories of cited documents:  "T" later document published after the international filling date or			
-	al state of the art which is not considered to	priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E" earlier application or patent date	published on or after the international filing	"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	
"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)		"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	
"O" document referring to an oral disclosure, use, exhibition or other means		"&" document member of the same patent family	
"P" document published prior to the international filing date but later than the			
Date of the actual completion of the international search		Date of mailing of the international search report 0.4 OCT 2004	
05 August 2004 (05.08.2004) Name and mailing address of the ISA/US		Authorized officer	
Mail Stop PCT. Attn: ISA/US  Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450  Facsimile No. (703) 305-3230		Randall Winston A. Roberts for Telephone No. 571-272-1600	

Form PCT/ISA/210 (second sheet) (July 1998)