

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
12 September 2002 (12.09.2002)

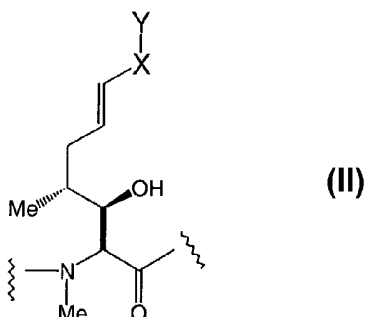
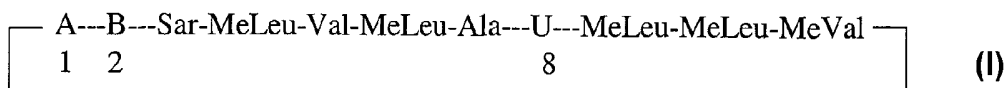
PCT

(10) International Publication Number
WO 02/069902 A3

- (51) International Patent Classification⁷: **A61K 38/13**
- (21) International Application Number: PCT/US02/06541
- (22) International Filing Date: 5 March 2002 (05.03.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
09/800,856 5 March 2001 (05.03.2001) US
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- (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, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, 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, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Declaration under Rule 4.17:**
— of inventorship (Rule 4.17(iv)) for US only
- Published:**
— with international search report

[Continued on next page]

(54) Title: CYCLOSPORINS FOR THE TREATMENT OF RESPIRATORY DISEASES



(57) Abstract: The present invention relates to novel semisynthetic cyclosporin analogs of formula (I), wherein A is (II), X is absent, -C1-C6 alkyl-, or -C3-C6 cycloalkyl- Y is selected from the group consisting of: (i) C(O)-O-R1, where R1 is hydrogen, C1-C6-alkyl, optionally substituted with halogen, heterocyclic, aryl, C1-C6-alkoxy, C1-C6-alkylthio, halogen-substituted C1-C6-alkoxy, or halogen-substituted C1-C6-alkylthio; (ii) C(O)-S-R1, where R1 is as previously defined; (iii) C(O)-OCH2-OC(O)R2, where R2 is C1-C6-alkyl, optionally substituted with halogen, C1-C6-alkoxy; C1-C6-alkylthio, heterocyclic or aryl; (iv) C(S)-O-R1, where R1 is as previously defined; and (v) C(S)-S-R1, where R1 is as previously defined; B is - α Abu-, -Val-, -Thr- or -Nva-; U and is -(D)Ala-, -(D)Ser-, -[O-(2-hydroxyethyl)(D)Ser]-, -[O-acyl(D)Ser]- or -[O-(2-acyloxyethyl) (D)Ser]-.



(88) Date of publication of the international search report:
17 April 2003

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/US02/06541

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 38/13

US CL : 530/317

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. : 530/317, 327; 514/009

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)
CAS Online, WEST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,798,823 A (WITZEL) 17 January 1989, see entire document.	1-11
A	US 4,554,351 A (WENGER) 19 November 1995, see entire document.	1-11

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

☐ See patent family annex.

* Special categories of cited documents:		"T"	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
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"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

02 January 2003 (02.01.2003)

Date of mailing of the international search report

23 JAN 2003

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