

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 September 2007 (13.09.2007)

PCT

(10) International Publication Number
WO 2007/103765 A3

(51) International Patent Classification:
A61K 38/13 (2006.01) A61P 27/02 (2006.01)

(21) International Application Number:
PCT/US2007/063126

(22) International Filing Date: 2 March 2007 (02.03.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/779,120 3 March 2006 (03.03.2006) US

(71) Applicant (for all designated States except US): **ALLERGAN, INC.** [US/US]; 2525 Dupont Drive, Irvine, CA 92612 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SCHIFFMAN, Rhett, M.** [US/US]; 1843 Temple Hills Drive, Laguna Beach, CA 92651 (US).

(74) Agents: **JOHNSON, Brent, A.** et al.; Allergan, Inc., 2525 Dupont Drive, Irvine, CA 92612 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (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:
1 November 2007

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.



WO 2007/103765 A3

(54) Title: TREATMENT WITH CYCLOSPORIN A

(57) Abstract: Disclosed herein is a method comprising administering cyclosporin A topically to an eye of a person for the purpose of treating or preventing loss of vision from keratoconus.

INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/063126

A. CLASSIFICATION OF SUBJECT MATTER

INV. A61K38/13 A61P27/02

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)

A61K A61P

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 practical, search terms used)

EPO-Internal, WPI Data, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GB 2 224 205 A (SANDOZ LTD [CH]) 2 May 1990 (1990-05-02) claims 1,36,38,40; examples	1-7
X	WO 89/01772 A (UNIV GEORGIA [US]) 9 March 1989 (1989-03-09) examples	1
Y		1-7
X	WO 03/030834 A (ENANTA PHARMACEUTICALS INC [US]; OR YAT SUN [US]; LAZAROVA TSVETELINA) 17 April 2003 (2003-04-17)	1-3
Y	page 12, paragraph 3	1-7

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

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

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)

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

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

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

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.

Z document member of the same patent family

Date of the actual completion of the international search

28 August 2007

Date of mailing of the international search report

05/09/2007

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Winger, Rudolf

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2007/063126

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 1-7 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound.
2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/063126

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2224205	A	02-05-1990	AU 626928 B2 13-08-1992
			AU 4371589 A 03-05-1990
			BE 1003578 A4 28-04-1992
			CA 2001502 A1 26-04-1990
			CH 679210 A5 15-01-1992
			DE 3935517 A1 03-05-1990
			DK 531289 A 27-04-1990
			ES 2020032 A6 16-07-1991
			FR 2638089 A1 27-04-1990
			GR 89100690 A 29-11-1990
			HU 52394 A2 28-07-1990
			IL 92120 A 27-02-1994
			IT 1237824 B 18-06-1993
			JP 2164830 A 25-06-1990
			LU 87613 A1 07-05-1991
			NL 8902657 A 16-05-1990
			NO 894266 A 27-04-1990
			NZ 231131 A 25-06-1992
			PT 92120 A 30-04-1990
			SE 8903583 A 27-04-1990
ZA 8908140 A 26-06-1991			
WO 8901772	A	09-03-1989	AT 109970 T 15-09-1994
			AU 2421388 A 31-03-1989
			DE 3851152 D1 22-09-1994
			DK 54390 A 03-05-1990
			EP 0391909 A1 17-10-1990
			ES 2012116 A6 01-03-1990
			GR 88100578 A 22-06-1989
			IE 65582 B1 01-11-1995
			JP 6067850 B 31-08-1994
			JP 3503159 T 18-07-1991
			PH 24814 A 30-10-1990
			US 5411952 A 02-05-1995
WO 03030834	A	17-04-2003	AU 2002362774 A1 22-04-2003
			US 2003109425 A1 12-06-2003
			US 2003166515 A1 04-09-2003
			US 2003087813 A1 08-05-2003