

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
1 February 2007 (01.02.2007)

PCT

(10) International Publication Number
WO 2007/012870 A3

(51) International Patent Classification:
A61K 31/395 (2006.01) A61P 25/00 (2006.01)
A61P 25/22 (2006.01)

(21) International Application Number:
PCT/GB2006/002828

(22) International Filing Date: 27 July 2006 (27.07.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0515703.7 29 July 2005 (29.07.2005) GB

(71) Applicant (for all designated States except US): **SOSEI R & D LTD.** [GB/GB]; Chesterford Research Park, Little Chesterford, Saffron Walden, Essex CB10 1XL (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LYNE, Michael, Harvey** [GB/GB]; Sosei R & D Ltd., Chesterford Research Park, Little Chesterford, Saffron Walden, Essex CB10 1XL (GB). **BANNISTER, Robin, Mark** [GB/GB]; Sosei R & D Ltd., Chesterford Research Park, Little Chesterford, Saffron Walden, Essex CB10 1XL (GB).

(74) Agent: **GILL JENNINGS & EVERY LLP**; Broadgate House, 7 Eldon Street, London EC2M 2LH (GB).

(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, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, 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, 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:
19 April 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 2007/012870 A3

(54) Title: USE OF NEFOPAM FOR THE TREATMENT OF AFFECTIVE DISORDERS

(57) Abstract: Nefopam is used for the manufacture of a medicament for the treatment of an affective disorder such as ADD or ADHD.

INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2006/002828

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K31/395 A61P25/22 A61P25/00

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

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MERCK: "The Merck index" 2001, MERCK & CO., INC. , USA , XP002411557 page 1154, paragraph 6468	1-5
X	WO 2004/056788 A (ARAKIS LTD [GB]; BAXTER ANDREW DOUGLAS [GB]) 8 July 2004 (2004-07-08) page 15, lines 3-7,19-21 pages 61-62 claims 4,5 page 64, lines 12-14	1-5
	----- -/--	

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.
- *&* document member of the same patent family

Date of the actual completion of the international search

14 December 2006

Date of mailing of the international search report

28/12/2006

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

Veronese, Andrea

INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2006/002828

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>ROSLAND J H ET AL: "The effect of nefopam and its enantiomers on the uptake of 5-hydroxytryptamine, noradrenaline and dopamine in crude rat brain synaptosomal preparations"</p> <p>JOURNAL OF PHARMACY AND PHARMACOLOGY, LONDON, GB, vol. 42, no. 6, June 1990 (1990-06), pages 437-438, XP008029309 ISSN: 0022-3573 the whole document</p>	5
Y	<p>MATHER G G ET AL: "NEFOPAM ENANTIOMERS: PRECLINICAL PHARMACOLOGY/TOXICOLOGY AND PHARMACOKINETIC CHARACTERISTICS IN HEALTHY SUBJECTS AFTER INTRAVENOUS ADMINISTRATION" CHIRALITY, WILEY-LISS, NEW YORK, US, vol. 12, no. 3, March 2000 (2000-03), pages 153-159, XP009036271 ISSN: 0899-0042 the whole document</p>	5
A	<p>SCOTT J: "Cognitive therapy of affective disorders: a review."</p> <p>JOURNAL OF AFFECTIVE DISORDERS. 12 FEB 1996, vol. 37, no. 1, 12 February 1996 (1996-02-12), pages 1-11, XP002411555 ISSN: 0165-0327 the whole document</p>	1-5
A	<p>BLAZER ET AL: "Late life affective disorders"</p> <p>ARCHIVES OF GERONTOLOGY AND GERIATRICS, ELSEVIER, AMSTERDAM, NL, vol. 26, 1998, pages 43-47, XP005058429 ISSN: 0167-4943 the whole document</p>	1-5
P, X	<p>WO 2005/102366 A2 (SATOW PHILIP MAXWELL [US]) 3 November 2005 (2005-11-03) page 76, line 1</p>	1,3
A	<p>WO 03/105833 A (ARAKIS LTD [GB]; LYNE MICHAEL HARVEY [GB]) 24 December 2003 (2003-12-24) the whole document</p>	1-5

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2006/002828

Patent document cited in search report	A	Publication date	Patent family member(s)	Publication date
WO 2004056788	A	08-07-2004	AU 2003295171 A1	14-07-2004
			BR 0317467 A	16-11-2005
			CA 2503172 A1	08-07-2004
			EP 1572672 A1	14-09-2005
			JP 2006522012 T	28-09-2006
			MX PA05006653 A	30-09-2005
			<hr/>	
WO 2005102366	A2	03-11-2005	NONE	
WO 03105833	A	24-12-2003	AU 2003240113 A1	31-12-2003
			AU 2003277077 A1	31-12-2003
			BR 0311874 A	10-05-2005
			CA 2489306 A1	24-12-2003
			CA 2489315 A1	24-12-2003
			CN 1668294 A	14-09-2005
			EP 1513517 A1	16-03-2005
			EP 1513518 A1	16-03-2005
			WO 03105832 A1	24-12-2003
			JP 2005533784 T	10-11-2005
			JP 2005531612 T	20-10-2005
			MX PA04012826 A	31-03-2005
			US 2006063753 A1	23-03-2006
US 2006040905 A1	23-02-2006			