

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 August 2003 (21.08.2003)

PCT

(10) International Publication Number
WO 03/068207 A3

(51) International Patent Classification⁷: **A61K 31/138**,
31/495, 31/445, 31/535, 31/55, 31/48, A61P 25/00

(74) Agent: **VERHAGE, Marinus**; OCTROOIBUREAU
ZOAN B.V., P.O. Box 140, NL-1380 AC Weesp (NL).

(21) International Application Number: PCT/EP03/50015

(22) International Filing Date: 11 February 2003 (11.02.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02076344.7 14 February 2002 (14.02.2002) EP

(71) Applicant (for all designated States except US): **SOLVAY
PHARMACEUTICALS B.V.** [NL/NL]; C.J. van Houten-
laan 36, C.J. van Houtenlaan 36, NL-1381 CP Weesp (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BRONZOVA, Ju-
liana, B.** [BG/NL]; C.J. van Houtenlaan 36, NL-1381 CP
Weesp (NL). **FEENSTRA, Roelof, W.** [NL/NL]; C.J. van
Houtenlaan 36, NL-1381 CP Weesp (NL). **GLENNON,
Jeffrey, C.** [GB/NL]; C.J. van Houtenlaan 36, NL-1381 CP
Weesp (NL). **MCCREARY, Andrew, C.** [GB/NL]; C.J.
van Houtenlaan 36, NL-1381 CP Weesp (NL). **VAN RAN-
DEN, Jan** [NL/NL]; C.J. van Houtenlaan 36, NL-1381 CP
Weesp (NL). **RONKEN, Eric** [NL/NL]; C.J. van Houten-
laan 36, NL-1381 CP Weesp (NL). **VAN SCHARREN-
BURG, Gustaaf, J.M.** [NL/NL]; C.J. van Houtenlaan 36,
NL-1381 CP Weesp (NL).

(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, 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, 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:
18 December 2003

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: PARTIAL DOPAMINE-D₂ RECEPTOR AGONIST PLUS SEROTONIN AND/OR NORADRENALINE
INHIBITOR ACTIVITY

(57) Abstract: The invention relates to the use of a compound or a combination of compounds having partial dopamine-D₂ receptor
agonistic activity and serotonin and/or noradrenaline reuptake inhibitory activity, for the preparation of a pharmaceutical composition
for the treatment of psychiatric and/or neurologic disorders caused by disturbances of the major monoaminergic (dopamine, serotonin
and/or noradrenaline) systems or that can be treated via manipulation of those systems.



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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/50015

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/138 A61K31/495 A61K31/445 A61K31/535 A61K31/55
A61K31/48 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)

IPC 7 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, PAJ, WPI Data, BIOSIS, SCISEARCH, EMBASE, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 14330 A (TULP MARTINUS T M ;VLIET BERNARD J VAN (NL); HES ROELOF VAN (NL);) 1 March 2001 (2001-03-01) cited in the application	1-7,10, 11,14, 26-28
Y	page 1, line 1 -page 3, line 23 page 4, line 10-23 page 5, line 5-9 page 24; claims 4-6 --- -/--	1-32

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in 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
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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *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

4 July 2003

Date of mailing of the international search report

28/07/2003

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

Brunnauer, H

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/50015

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	HINDMARCH I: "THE EFFECTS OF ANTIDEPRESSANTS ON PSYCHOMOTOR FUNCTION WITH PARTICULAR REFERENCE TO REBOXETINE" EUROPEAN NEUROPSYCHOPHARMACOLOGY, ELSEVIER SCIENCE PUBLISHERS BV, AMSTERDAM, NL, vol. SUPPL. 1, no. 7, April 1997 (1997-04), pages S17-S21, S71-S73, XP001079967 ISSN: 0924-977X page S20	8,9, 30-32
Y	JOHNSTON L C ET AL: "THE NOVEL DOPAMINE D2 RECEPTOR PARTIAL AGONIST, SLV-308, REVERSES MOTOR DISABILITY IN MPTP-LESIONED COMMON MARMOSETS (CALLITHRIX JACCHUS)" BRITISH JOURNAL OF PHARMACOLOGY, BASINGSTOKE, HANTS, GB, vol. SUPPL, no. 133, May 2001 (2001-05), pages U-70, AN134P, XP001061442 ISSN: 0007-1188 abstract	1-32
Y	OLBRICH R ET AL: "AN EVALUATION OF THE PARTIAL DOPAMINE AGONIST TERGURIDE REGARDING POSITIVE SYMPTOMS REDUCTION IN SCHIZOPHRENICS" JOURNAL OF NEURAL TRANSMISSION, SPRINGER VERLAG, VIENNA, AT, vol. 3, no. 84, 1991, pages 233-236, XP001061450 ISSN: 0300-9564 page 235	1-32
Y	LATHI A.C. ET AL: "Antipsychotic properties of the partial dopamine agonist (-)-3-(3-hydroxyphenyl)-N-N-propylpiperidine (Preclamol) in schizophrenia" BIOLOGICAL PSYCHIATRY, vol. 43, no. 1, 1998, pages 2-11, XP001079970 page 2	1-32
Y	FURLAN P M ET AL: "COGNITIVE AND PSYCHOMOTOR EFFECTS OF PAROXETINE AND SERTRALINE ON HEALTHY ELDERLY VOLUNTEERS" AMERICAN JOURNAL OF GERIATRIC PSYCHIATRY, AMERICAN PSYCHIATRY PRESS, WASHINGTON, DC, US, vol. 4, no. 9, 21 September 2001 (2001-09-21), pages 429-438, XP001079969 ISSN: 1064-7481 page 429 page 435 page 437	1-32
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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/50015

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	BELL C., NUTT D.: "Paroxetine and its uses in psychiatry" HOSPITAL MEDICINE, vol. 60, no. 5, 1999, pages 353-356, XP001094785 London, England page 353 -page 354 -----	1-32
A	WO 00 29397 A (FEENSTRA ROELOF W ;DUPHAR INT RES (NL); LONG STEPHEN K (NL); MOS J) 25 May 2000 (2000-05-25) page 1, line 1-5 page 2, line 32-36 page 3, line 29-33 -----	1-32

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP 03/50015

Box I Observations where certain claims were found unsearchable (Continuation of item 1 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:
2. ☒ Claims Nos.: 1, 27, 28
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:
see FURTHER INFORMATION sheet PCT/ISA/210
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 II Observations where unity of invention is lacking (Continuation of item 2 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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1, 27, 28

Present claims 1, 27 and 28 relate to a compounds defined by reference to a desirable pharmacodynamic mechanism, namely by means of "...having partial dopamine-D2 receptor agonistic activity and serotonin and/or noradrenaline reuptake activity..".

The claims cover all compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a very limited number of such compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compounds by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the compounds as disclosed in the description on page 4 (line 18) to page 5 (line 13).

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/50015

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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