

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 December 2008 (18.12.2008)

(10) International Publication Number
WO 2008/153902 A3

PCT

(51) International Patent Classification:
A01N 43/38 (2006.01) *A61K 31/40* (2006.01)

(21) International Application Number:
PCT/US2008/007076

(22) International Filing Date:
5 June 2008 (05.06.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/933,577 7 June 2007 (07.06.2007) US

(71) Applicant (for all designated States except US):
JANSSEN PHARMACEUTICA NV [BE/BE]; Turnhoutseweg 30, B-2340 Beerse (BE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KINNEY, William A.** [US/US]; 16 Thompson Mill Road, Newtown, Pennsylvania 18940 (US). **LAWSON, Edward C.** [US/US]; 82 Erwin Road, Pipersville, Pennsylvania 18947 (US). **GHOSH, Shyamali** [US/US]; 906 Patriot Lane, Norristown, Pennsylvania 19403 (US). **LUCI, Diane K.** [US/US]; 8 Log Pond Drive, Horsham, Pennsylvania 19044 (US). **MCCOMSEY, David F.** [US/US]; 1125 Victoria Road, Warminster, Pennsylvania 18974 (US).

(74) Agent: **STERCHO, Yuriy, P.**; Johnson & Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ 08933-7003 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, 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, ME, 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.

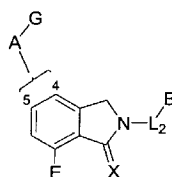
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, 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 (Art. 21(3))

(88) Date of publication of the international search report:
30 December 2009

(54) Title: UROTENSIN II RECEPTOR ANTAGONISTS



(I)

(57) Abstract: This invention is directed to a compound of Formula (I): Formula (I) and forms thereof, wherein A, B, E, G, X and L2 are as defined herein and their use as urotensin II receptor antagonists.

WO 2008/153902 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 08/07076

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A01N 43/38; A61K 31/40 (2008.04)

USPC - 514/416

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)
USPC: 514/416

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 514/252.12, 252.13, 254.09, 315, 415 (see search terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubEAST(USPT,PGPB,EPAB,JPAB); GoogleScholar
Search urotensin, urotensin II, U-II, renal failure, heart failure, piperazine derivative
[16 August 2008 (16.08.2008)]

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2005/0203090 A1 (MAN et al.) 15 September 2005 (15.09.2005) para [0024], [0054], [0060]	1-25
Y	WO 2004/080423 A2 (MAN et al.) 23 September 2004 (23.09.2004) pg 6	1-25
Y	US 2007/0027163 A1 (BISSANTZ et al.) 1 February 2007 (01.02.2007) para [0039], [0046]	4-9 and 15-20

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

* 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 application or patent 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

16 August 2008 (16.08.2008)

Date of mailing of the international search report

20 AUG 2008

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Authorized officer:

Lee W. Young

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774