

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 December 2008 (11.12.2008)

PCT

(10) International Publication Number
WO 2008/148801 A8

(51) International Patent Classification:
C07D 207/12 (2006.01) *A61P 25/00* (2006.01)
A61K 31/40 (2006.01)

(21) International Application Number:
PCT/EP2008/056915

(22) International Filing Date:
4 June 2008 (04.06.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0701387-3 5 June 2007 (05.06.2007) SE
60/941,994 5 June 2007 (05.06.2007) US

(71) Applicant (for all designated States except US): **NSAB, Filial af NeuroSearch Sweden AB, Sverige** [DK/DK]; c/o NeuroSearch A/S, 93 Pederstrupvej, DK-2750 Ballerup (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SONESSON, Clas** [SE/SE]; c/o NeuroSearch Sweden AB, Arvid Wallgrens Backe 20, S-413 46 Göteborg (SE). **SWANSON, Lars** [SE/SE]; c/o NeuroSearch Sweden AB, Arvid Wallgrens Backe 20, S-413 46 Göteborg (SE). **PETTERSSON, Fredrik** [SE/SE]; c/o NeuroSearch Sweden AB, Arvid Wallgrens Backe 20, S-413 46 Göteborg (SE). **WATERS, Nicholas** [GB/SE]; c/o NeuroSearch Sweden AB, Arvid Wallgrens Backe 20, S-413 46 Göteborg (SE). **WATERS, Susanna** [SE/SE]; c/o NeuroSearch Sweden AB, Arvid Wallgrens Backe 20, S-413 46 Göteborg (SE).

(74) Agent: **ABILDGREN, Michael**; NeuroSearch A/S, Patent Department, 93 Pederstrupvej, DK-2750 Ballerup (DK).

(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).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

— with international search report (Art. 21(3))

(88) Date of publication of the international search report:
29 January 2009

(48) Date of publication of this corrected version:
10 December 2009

(15) Information about Correction:
see Notice of 10 December 2009

(54) Title: DISUBSTITUTED PHENYLPYRROLIDINES AS MODULATORS OF CORTICAL CATECHOLAMINERGIC NEUROTRANSMISSION

(57) Abstract: The present invention relates to the use of compounds which increase extracellular levels of catecholamines, dopamine and norepinephrine, in cerebral cortical areas of the mammalian brain, and more specifically to the use of 3-disubstituted phenyl-1 - pyrrolidinols for the treatment of central nervous system disorders.



WO 2008/148801 A8