2002046514

0 2 AUG 2002

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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
30 August 2001 (30.08.2001)

PCT

(10) International Publication Number
WO 01/62233 A3

(51) International Patent Classification[7]: A61K 31/505, 31/44, A61P 25/28, C07D 405/04, 405/14, 239/46, 401/12, 409/14, 409/04

(21) International Application Number: PCT/EP01/01679

(22) International Filing Date: 15 February 2001 (15.02.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
00103432.1 25 February 2000 (25.02.2000) EP

(71) Applicant: F. HOFFMANN LA ROCHE AG [CH/CH]; Grenzacherstrasse 124, CH-4070 Basle (CH).

(72) Inventors: **BORRONI, Edilio, Maurizio**; Vogesenstrasse 108, CH-4056 Basle (CH). **HUBER-TROTTMANN, Gerda**; Hollenstrasse 211, CH-4247 Grindel (CH). **KILPATRICK, Gavin, John**; Lennox House, Caxton End, Eltisley, Cambridgeshire PE19 4TJ (GB). **NORCROSS, Roger, David**; Alte Saline 20, CH-4310 Rheinfelden (CH).

(74) Agent: **POPPE, Regina**; Grenzacherstrasse 124, CH-4070 Basle (CH).

(81) Designated States *(national)*: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(88) Date of publication of the international search report:
3 January 2002

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.



162162



ACTION

WO 01/62233 A3

(54) Title: ADENOSINE RECEPTOR MODULATORS

(57) Abstract: The invention relates to cyclic heteroaromatic compounds, containing at least one nitrogen atom, and to their use in the manufacture of medicaments for the treatment of diseases, related to adenosine receptor modulators, such as Alzheimer's disease, Parkinson's disease, neuroprotection, schizophrenia, anxiety, pain, respiration deficits, depression, asthma, allergic responses, hypoxia, ischaemia, seizure, substance abuse, sedation and they may be active as muscle relaxants, antipsychotics, antiepileptics, anticonvulsants and cardioprotective agents.