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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 December 2004 (02.12.2004)

PCT

(10) International Publication Number
WO 2004/103367 A1

(51) International Patent Classification[7]: A61K 31/428, C07D 277/82, 417/04, 417/14, A61P 25/00

(21) International Application Number: PCT/EP2004/005179

(22) International Filing Date: 14 May 2004 (14.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03011090.2 21 May 2003 (21.05.2003) EP

(71) Applicant *(for all designated States except US)*: **F. HOFFMANN-LA ROCHE AG** [CH/CH]; Grenzacherstrasse 124, CH-4070 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **FLOHR, Alexander** [CH/CH]; St. Galler-Ring 142, CH-4054 Basel (CH). **JAKOB-ROETNE, Roland** [DE/DE]; Oberer Baselblick 37, 79594 Inzlingen (DE). **NORCROSS, Roger, David** [GB/CH]; Alte Saline 20, CH-4310 Rheinfelden (CH). **RIEMER, Claus** [DE/DE]; Opitzstrasse 5, 79110 Freiburg (DE).

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

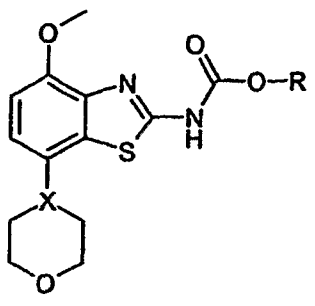
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, IT, LU, 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*

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.

(54) Title: BENZOTHIAZOLE DERIVATIVES AND USE THEREOF IN THE TREATMENT OF DISEASES RELATES TO THE ADENOSINE A2A RECEPTOR



(I)

(57) Abstract: The present invention relates to compounds of the general formula (I): and to pharmaceutically acceptable acid additions salts thereof. The compounds may be used for the treatment of diseases relates to the A2A receptor.

WO 2004/103367 A1