

(43) International Publication Date
29 December 2010 (29.12.2010)(10) International Publication Number
WO 2010/149578 A2(51) International Patent Classification:
C07C 237/42 (2006.01)(21) International Application Number:
PCT/EP2010/058611(22) International Filing Date:
18 June 2010 (18.06.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/219,016 22 June 2009 (22.06.2009) US(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): **BROKA, Chris Allen** [US/US]; 1083 Shell Boulevard, #6, Foster City, California 94404 (US). **HAWLEY, Ronald Charles** [US/US]; 499 Ridgewood Avenue, Glen Ridge, New Jersey 07028 (US).(74) Agent: **SAUER, Frank**; Grenzacherstrasse 124, CH-4070 Basel (CH).

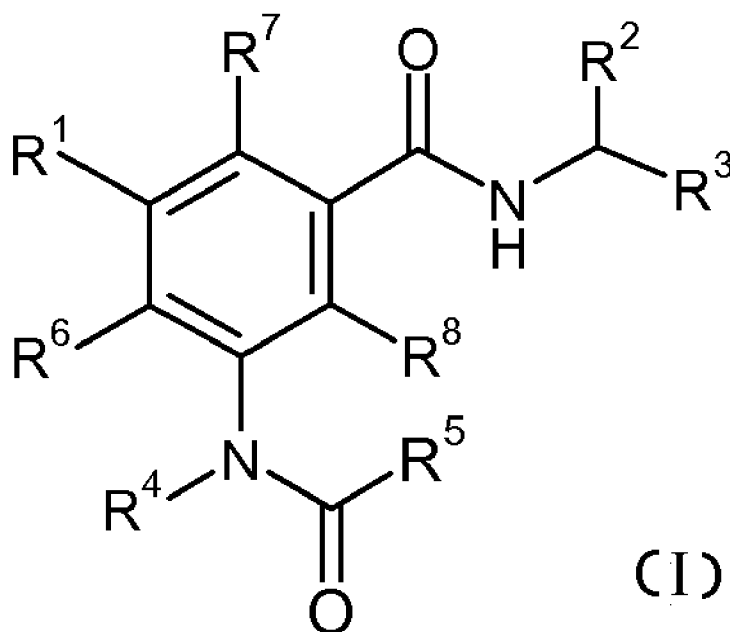
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, 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, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report (Rule 48.2(g))

(54) Title: NOVEL BIPHENYL AND PHENYL-PYRIDINE AMIDES



(I)

(57) Abstract: Compounds of the formula (I) or a pharmaceutically acceptable salt thereof, wherein, R¹, R², R³, R⁴, R⁵, R⁶, R⁷, and R⁸ are as defined herein. Also disclosed are methods of using the compounds for treating diseases associated with P2X₃ and/or a P2X_{2/3} receptor antagonists and methods of making the compounds.