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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
23 December 2010 (23.12.2010)

PCT

(10) International Publication Number
WO 2010/145208 A1

(51) International Patent Classification:
C07D 471/18 (2006.01) *A61P 25/00* (2006.01)
A61K 31/439 (2006.01) *A61P 29/00* (2006.01)

(21) International Application Number:
PCT/CN2010/000889

(22) International Filing Date:
18 June 2010 (18.06.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/218, 479 19 June 2009 (19.06.2009) US

(71) Applicant *(for all designated States except LC, US)*: **ABBOTT LABORATORIES** [US/US]; 100 Abbott Park Road, Abott Park, IL 60064-6008 (US).

(71) Applicant *(for LC only)*: **ABBOTT LABORATORIES TRADING (SHANGHAI) COMPANY, LTD** [CN/CN]; 28/F Ciro's Plaza, 388 West Nan Jing Road, Shanghai 200000 (CN).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **SCHRIMPF, Michael, R.** [US/US]; 327 Cambridge Drive, Grayslake, IL 60030 (US). **SIPPY, Kevin, B.** [US/US]; 633 Wood Creek Drive, Antioch, Illinois 60002 (US).

(74) Agent: **CHINA PATENT AGENT (H. K.) LTD.**; 22/F, Great Eagle Centre, 23 Harbour Road, Wanchai, Hong Kong (CN).

(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:

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

WO 2010/145208 A1

(54) Title: DIAZAHOMOADAMANTANE DERIVATIVES AND METHODS OF USE THEREOF

(57) Abstract: The invention relates to compounds that are diazahomoadamantane derivatives, compositions comprising such compounds, and methods of using such compounds and compositions.