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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
25 October 2007 (25.10.2007)

PCT

(10) International Publication Number
WO 2007/121432 A2

(51) International Patent Classification:
A61K 31/55 (2006.01) *C07D 409/02* (2006.01)
C07D 417/02 (2006.01)

(21) International Application Number:
PCT/US2007/066772

(22) International Filing Date: 17 April 2007 (17.04.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/793,001 18 April 2006 (18.04.2006) US

(71) Applicant *(for all designated States except US)*: **JANSSEN PHARMACEUTICA N.V.** [BE/BE]; Turnhoutseweg 30, B-2340 Beerse (BE).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **GEE-HONG, Kuo** [US/US]; 3 Traveller Way, Scotch Plains, NJ 07076 (US). **ZHANG, Yan** [CN/US]; 1259 Tressler Drive, Fort Washington, PA 19034 (US). **SHEN, Lan** [CN/US]; 2468 Rikkard Drive, Thousand Oaks, CA 91362 (US). **LU, Songfeng** [US/US]; 75 Vones Lane, Raritan, NJ 08869 (US). **DEMAREST, Keith T.** [US/US]; 1 Newell Road, Flemington, NJ 08822 (US). **PELTON, Patricia** [US/US]; 6 Rice Lane, Long Valley, NJ 07853 (US).

(74) Agents: **JOHNSON, Phillip** et al.; Johnson & Johnson Corporate, One Johnson & Johnson Plaza, New Brunswick, NJ 08933-7003 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, 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, 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, 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, HU, IE, IS, IT, LT, LU, LV, MC, MT, 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:
— *without international search report and to be republished upon receipt of that 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.

WO 2007/121432 A2

(54) **Title:** BENZOAZEPIN-OXY-ACETIC ACID DERIVATIVES AS PPAR-DELTA AGONISTS USED FOR THE INCREASE OF HDL-C, LOWER LDL-C AND LOWER CHOLESTEROL

(57) **Abstract:** The invention is directed to compounds of Formula (I) useful as PPAR agonists. Pharmaceutical compositions and methods of treating one or more conditions including, but not limited to, diabetes, nephropathy, neuropathy, retinopathy, polycystic ovary syndrome, hypertension, ischemia, stroke, irritable bowel disorder, inflammation, cataract, cardiovascular diseases, Metabolic X Syndrome, hyper-LDL-cholesterolemia, dyslipidemia (including hypertriglyceridemia, hypercholesterolemia, mixed hyperlipidemia, and hypo-HDL-cholesterolemia), atherosclerosis, obesity, and other disorders related to lipid metabolism and energy homeostasis complications thereof, using compounds of the invention are also described.