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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
23 June 2005 (23.06.2005)

PCT

(10) International Publication Number
WO 2005/056554 A2

(51) International Patent Classification[7]: C07D 487/00

(21) International Application Number:
PCT/US2004/040352

(22) International Filing Date: 1 December 2004 (01.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/895,431 2 December 2003 (02.12.2003) US

(71) Applicant *(for all designated States except US)*: **X-CEPTOR THERAPEUTICS, INC.** [US/US]; 4757 Nexus Center Drive, San Diego, California 92121 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **BUSCH, Brett** [US/US]; 7523 Mona Lane, San Diego, California 92130 (US). **FLATT, Brenton, T.** [US/US]; 12721 Pedriza Drive, Poway, California 92064 (US). **GU, Xiao-Hui** [CN/US]; 7699 Palmilla Drive, #3408, San Diego, California 92122-5098 (US). **MARTIN, Richard** [CA/US]; 4293 Cordobes Cove, San Diego, California 92130 (US). **MOHAN, Raju** [US/US]; 3125 Caminito Ricardo, Encinitas, California 92024 (US). **WANG, Tie-Lin** [CN/US]; 7746 Roan Road, San Diego, California 92129 (US). **WU, Jason, H.** [US/US]; 8310 Regents Road, #3B, San Diego, California 92122 (US).

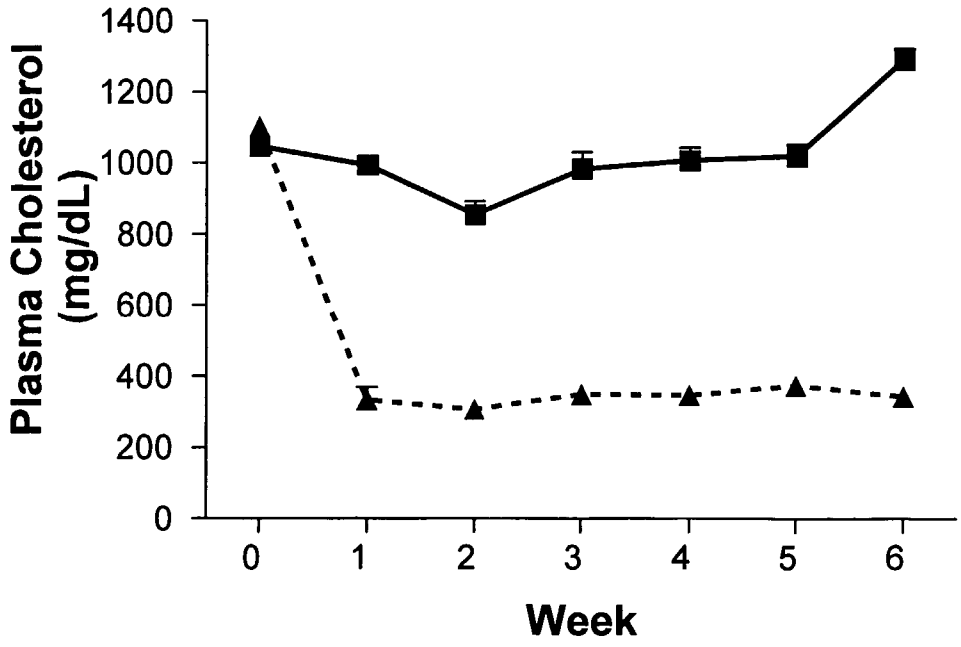
(74) Agents: **ROTH, Carol, J.** et al.; Seed Intellectual Property Law Group PLLC, Suite 6300, 701 Fifth Avenue, Seattle, Washington 98104-7092 (US).

(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),

[Continued on next page]

(54) Title: AZEPINOINDOLE DERIVATIVES AS PHARMACEUTICAL AGENTS



(57) Abstract: Compounds, compositions and methods for modulating the activity of receptors are provided. In particular, compounds and compositions are provided for modulating the activity of receptors and for the treatment, prevention, or amelioration of one or more symptoms of disease or disorder directly or indirectly related to the activity of the receptors.

WO 2005/056554 A2

European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, 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:

— *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.