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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
4 August 2005 (04.08.2005)

PCT

(10) International Publication Number
WO 2005/070434 A3

(51) International Patent Classification:
A61K 31/4184 (2006.01) *A61K 31/565* (2006.01)
A61K 31/4196 (2006.01) *A61K 31/566* (2006.01)
A61K 31/55 (2006.01)

(21) International Application Number:
PCT/US2005/000803

(22) International Filing Date: 11 January 2005 (11.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/536,035 13 January 2004 (13.01.2004) US

(71) Applicant *(for all designated States except US)*: **WYETH** [US/US]; Five Giralda Farms, Madison, NJ 07940-0874 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **JENKINS, Simon, N.** [GB/US]; 3011 Timothy's Trail, Audubon, PA 19403 (US). **KOMM, Barry, S.** [US/US]; 1078 King of Prussia Road, Radnor, PA 19087 (US). **BOUDES, Pol** [FR/US]; 10 Setting Sun Drive, Washington Township, NJ 07840 (US). **FROST, Philip** [US/US]; 4 Emerson Court, Morris Township, NJ 07960 (US). **SHERMAN, Matthew, L.** [US/US]; 33 Janet Road, Newton, MA 02459 (US).

(74) Agent: **BUCK, Margaret, M.**; Cozen O'Connor, 1900 Market Street, Philadelphia, PA 19103 (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, SM, 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, 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:
— *with international search report*

(88) Date of publication of the international search report:
8 June 2006

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: TREATMENT OF AROMATASE INHIBITOR THERAPY-RELATED OSTEOPOROSIS

(57) Abstract: This invention relates to the use bazedoxifene (1-[4-(2-azepan-1-yl-ethoxy)-benzyl]-2-(4-hydroxy-phenyl)-3-methyl- 1H-indol-5-ol) in the treatment or inhibition of osteoporosis and osteopenia related to aromatase inhibitor therapy.

WO 2005/070434 A3