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

162162

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
27 December 2001 (27.12.2001)

PCT

(10) International Publication Number
WO 01/97808 A1

(51) International Patent Classification[7]: A61K 31/425, 45/06, A61P 3/06

(21) International Application Number: PCT/GB01/02696

(22) International Filing Date: 19 June 2001 (19.06.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0014969.0 19 June 2000 (19.06.2000) GB

(71) Applicants *(for all designated States except US)*: **SMITHKLINE BEECHAM PLC** [GB/GB] New Horizons Court, Brentford, Middlesex TW8 9EP (GB) **SMITHKLINE BEECHAM CORPORATION** [US/US], P.O. Box 7929, Philadelphia, PA 19103 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **ARCH, Jonathan, Robert, Sanders** [GB/GB] GlaxoSmithKline, New Frontiers Science Park South, Third Avenue, Harlow, Essex CM19 5AW (GB) **LENHARD, James, Martin** [US/US], GlaxoSmithKline, Five Moore Drive, Research Triangle Park, NC 27709 (US)

(74) Agent: **RUTTER, Keith**, GlaxoSmithKline, Corporate Intellectual Property Two New Horizons Court, Brentford, Middlesex TW8 9EP (GB)

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG)

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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

G00001

WO 01/97808 A1

(54) Title: COMBINATIONS OF DEPEPTIDYL PEPTIDASE IV INHIBITORS AND OTHER ANTIDIABETIC AGENTS FOR THE TREATMENT OF DIABETE MELLITUS

(57) Abstract: A method for the treatment of diabetes mellitus, especially Type 2 diabetes and conditions associated with diabetes mellitus in a mammal such as a human, which method comprises administering an effective, non-toxic and pharmaceutically acceptable amount of a dipeptidyl peptidase IV inhibitor and another antidiabetic agent, to a mammal in need thereof