

(19) World Intellectual Property
Organization
International Bureau



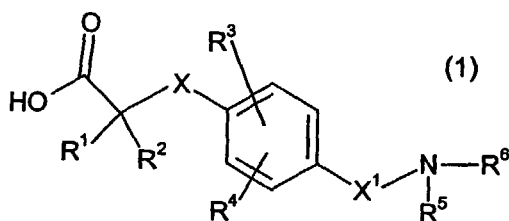
(43) International Publication Date
31 December 2003 (31.12.2003)

PCT

(10) International Publication Number
WO 2004/000762 A2

- (51) International Patent Classification⁷: **C07C** GlaxoSmithKline, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB).
- (21) International Application Number: PCT/EP2003/006416 (74) Agent: **LEAROYD, Stephanie, Anne**; GlaxoSmithKline, Corporate Intellectual Property (CN925.1), 980 Great West Road, Brentford, Middlesex TW8 9GS (GB).
- (22) International Filing Date: 18 June 2003 (18.06.2003)
- (25) Filing Language: English (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, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (26) Publication Language: English
- (30) Priority Data: 0214254.5 20 June 2002 (20.06.2002) GB (71) Applicant (*for all designated States except US*): **SMITHKLINE BEECHAM CORPORATION** [US/US]; One Franklin Plaza, P.O. Box 7929, Philadelphia, PA 19101 (US).
- (72) Inventors; and (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (75) Inventors/Applicants (*for US only*): **BESWICK, Paul, John** [GB/GB]; GlaxoSmithKline, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB). **HARLING, John, David** [GB/GB]; GlaxoSmithKline, New Frontiers Science Park, Third Avenue, Harlow, Essex CM19 5AW (GB). **KLEANTHOUS, Savvas** [GB/GB]; GlaxoSmithKline, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB). **PATEL, Vipulkumar, Kantibhai** [GB/GB]; GlaxoSmithKline, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB). **SIMPSON, Juliet** [GB/GB];
- 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.*

(54) Title: CHEMICAL COMPOUNDS



wherein the phenyl or heteroaryl group is optionally substituted with 1, 2 or 3 moieties selected from the group consisting of C1-6 alkyl, halogen, -OC1-6 alkyl, -SO₂C1-3 alkyl, phenyl (optionally substituted by one or more groups selected from halogen, CF₃, C1-3 alkyl, OC1-3 alkyl, acetyl, CN).

(57) Abstract: A compound of formula (I) or a pharmaceutically acceptable salt, solvate, or hydrolysable ester thereof, .Wherein:R1 and R2 are independently hydrogen or C1-3 alkyl;X represents a bond, CH₂ or O;R3 and R4 are independently hydrogen, C1-6 alkyl, OCH₃, CF₃, allyl or halogen;X1 is CH₂, SO₂, or CO;R5 is -C1-6 alkyl (optionally substituted by C1-6alkoxy or C1-6alkylthio), -C2-6 alkenyl, -C0-6 alkyl phenyl (wherein the phenyl is optionally substituted by one or more CF₃, halogen, C1-3 alkyl, C1-3 alkoxy), -COC1-6 alkyl, SO₂C1-6 alkyl ;R6 is phenyl or a 6 membered heteroaryl group containing 1,2 or 3 N atoms