

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
16 May 2002 (16.05.2002)

PCT

(10) International Publication Number
WO 02/38106 A2

- (51) International Patent Classification⁷: **A61K**
- (21) International Application Number: PCT/US01/46184
- (22) International Filing Date: 25 October 2001 (25.10.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/243,006 25 October 2000 (25.10.2000) US
- (71) Applicant (*for all designated States except US*):
SMITHKLINE BEECHAM CORPORATION
[US/US]; One Franklin Plaza, Philadelphia, PA 19103 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **BHATNAGAR, Pradip** [US/US]; 709 Swedeland Road, King of Prussia, PA 19406 (US). **BURGESS, Joelle, L.** [US/US]; 1250 South Collegeville Road, Collegeville, PA 19426 (US). **CALLAHAN, James, F.** [US/US]; 1250 South Collegeville Road, Collegeville, PA 19426 (US). **LAGO, Maria, A.** [ES/US]; 1250 Collegeville Road, Collegeville, PA 19426 (US).
- (74) Agents: **SIMON, Soma, G.** et al.; SmithKline Beecham Corporation, Corporate Intellectual Property, UW2220, 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406-0939 (US).
- (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, PH, 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, 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 02/38106 A2

(54) Title: CALCILYTIC COMPOUNDS

(57) Abstract: Novel phosphate esters compounds and methods of using them as calcilytic compounds are provided.