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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
3 July 2008 (03.07.2008)

PCT

(10) International Publication Number
WO 2008/079968 A1

(51) International Patent Classification:
C07D 401/12 (2006.01) *A61P 35/00* (2006.01)
A61K 31/4439 (2006.01)

(21) International Application Number:
PCT/US2007/088365

(22) International Filing Date:
20 December 2007 (20.12.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/875,830 20 December 2006 (20.12.2006) US
60/986,773 9 November 2007 (09.11.2007) US

(71) Applicant *(for all designated States except US)*: **BAYER PHARMACEUTICALS CORPORATION** [US/US]; 400 Morgan Lane, West Haven, Connecticut 06516-4175 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **SMITH, Roger** [CA/CA]; 1722 Appin Road, North Vancouver, British Columbia V7J2T5 (CA). **NAGARATHNAM, Dhanapalan** [US/US]; 303A College Road East, Princeton, New Jersey 08540 (US).

(74) Agents: **TRAVERSO, Richard J.** et al.; Millen, White, Zelano & Branigan, P.C., 2200 Clarendon Boulevard, Suite 1400, Arlington, Virginia 22201 (US).

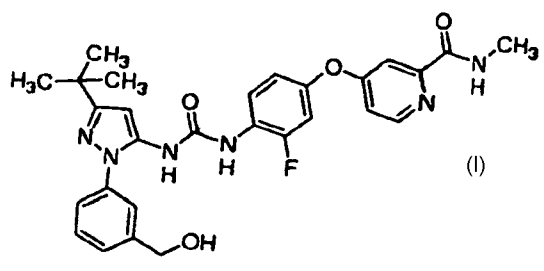
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, LV, MC, MT, 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*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

WO 2008/079968 A1

(54) **Title:** 4-{4-[({3-TERT-BUTYL-1-[3-(HYDROXYMETHYL) PHENYL]-1H-PYRAZOL-5-YL } CARBAMOYL)-AMINO] -3-FLUOROPHENOXY} -N-METHYLPYRIDINE-2-CARBOXAMIDE AS WELL AS PRODRUGS AND SALTS THEREOF FOR THE TREATMENT OF CANCER



(I)

(57) **Abstract:** The compound 4-{4-[({3-tert-Butyl-1-[3-(hydroxymethyl) phenyl]-1H-pyrazol- 5-yl} carbamoyl)amino]-3-fluorophenoxy}-N-methylpyridine-2-carboxamide and alternative forms thereof (e.g., salts, solvates, hydrates, prodrugs, polymorphs and metabolites); pharmaceutical compositions which contain them; and methods for treating cancer using them. (I)