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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
29 May 2008 (29.05.2008)

PCT

(10) International Publication Number
WO 2008/064093 A2

(51) International Patent Classification:
C07D 471/04 (2006.01) *A61P 35/00* (2006.01)
A61K 31/4745 (2006.01)

(21) International Application Number:
PCT/US2007/084893

(22) International Filing Date:
16 November 2007 (16.11.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/866,483 20 November 2006 (20.11.2006) US

(71) Applicant *(for all designated States except US)*: **NOVARTIS AG** [CH/CH]; Lichtstrasse 35, CH-4056 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **STOWASSER, Frank** [DE/DE]; Wieladinger Strasse 3, 79730 Murg (DE). **BÄNZIGER, Markus** [CH/CH]; Dahlienstrasse 27, CH-4416 Bubendorf (CH). **GARAD, Sudhakar Devidasrao** [IN/US]; 36 Jonathan Lane, Malden, Massachusetts 02148 (US).

(74) Agent: **MANZARI, Oona A.**; Novartis, Intellectual Property, One Health Plaza Bldg. 104, East Hanover, NJ 07936-1080 (US).

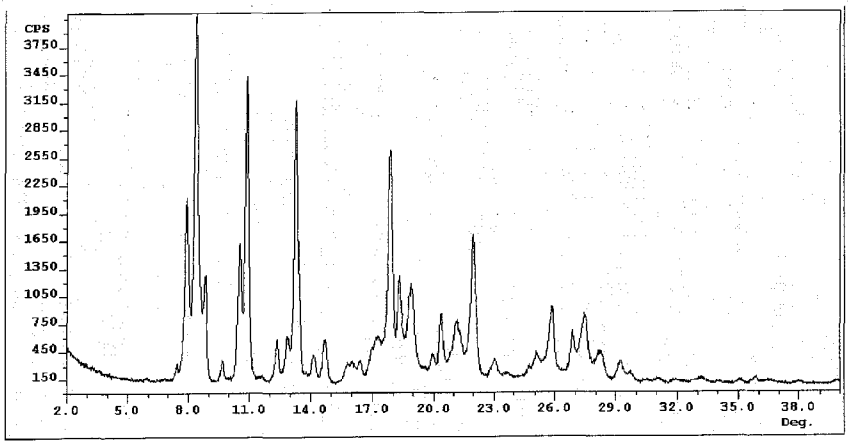
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, 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:
— *without international search report and to be republished upon receipt of that report*

(54) **Title:** SALTS AND CRYSTALL FORMS OF 2-METHYL-2-[4-(3-METHYL-2-OXO-8-QUINOLIN-3-YL-2,3-DIHYDRO-IMIDAZO[4,5-C]QUINOLIN-1-YL)-PHENYL]-PROPIONITRILE

Form A of 2-methyl-2-[4-(3-methyl-2-oxo-8-quinolin-3-yl-2,3-dihydro-imidazo[4,5-c]quinolin-1-yl)-phenyl]-propionitrile



(57) **Abstract:** The invention relates to particular crystalline forms of 2-methyl-2-[4-(3-methyl-2-oxo-8-quinolin-3-yl-2,3-dihydro-imidazo[4,5-c]quinolin-1-yl)-phenyl]-propionitrile, its hydrates and solvates, its salts and hydrates and solvates of its salts, certain processes for their preparation, pharmaceutical compositions containing these crystalline forms, and their use in diagnostic methods or, preferably, for the therapeutic treatment of warm-blooded animals, especially humans, and their use as an intermediate or for the preparation of pharmaceutical preparations for use in diagnostic methods or, preferably, for the therapeutic treatment of warm-blooded animals, especially humans.

WO 2008/064093 A2