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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
16 April 2009 (16.04.2009)

PCT

(10) International Publication Number
WO 2009/047161 A1

(51) International Patent Classification:
C07D 401/04 (2006.01) *C07D 409/14* (2006.01)
C07D 401/14 (2006.01) *C07D 417/14* (2006.01)
C07D 403/04 (2006.01) *A61K 31/454* (2006.01)
C07D 403/14 (2006.01) *A61P 35/00* (2006.01)
C07D 405/14 (2006.01)

(21) International Application Number:
PCT/EP2008/063053

(22) International Filing Date:
30 September 2008 (30.09.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/978,506 9 October 2007 (09.10.2007) US
61/092,759 29 August 2008 (29.08.2008) US

(71) Applicant *(for all designated States except US)*: **F. HOFFMANN-LA ROCHE AG** [CH/CH]; Grenzacherstrasse 124, CH-4070 Basel (CH).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **BARTKOVITZ, David Joseph** [US/US]; 21 Povershon Road, Nutley, New Jersey 07110 (US). **CAI, Jianping** [US/US]; 99 Park Street, West Caldwell, New Jersey 07006 (US). **CHU, Xin-Jie** [US/US]; 21 Riker Hill Road, Livingston, New Jersey 07039 (US). **LI, Hongju** [US/US]; 131 Christie Street, Edison, New Jersey 08820 (US). **LOVEY, Allen John** [US/US]; 6 Hamilton Drive South, North Caldwell, New Jersey 07006 (US). **VU, Binh Thanh** [US/US]; 1 Willow Lane, North Caldwell, New Jersey 07006 (US). **ZHAO, Chunlin** [CN/US]; 10 Oxford Drive, Livingston, New Jersey 07039 (US).

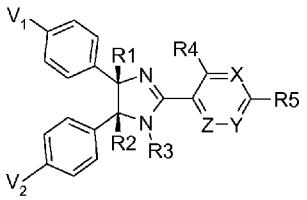
(74) Agent: **KLEIN, Thomas**; Grenzacherstrasse 124, CH-4070 Basel (CH).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, 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, ST, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, 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*

(54) Title: CHIRAL CIS-IMIDAZOLINES



(I)

(57) Abstract: There are provided compounds of Formula (I), or the pharmaceutically acceptable salts thereof, wherein X, Y, Z, V_1, V_2, R^1, R^2, R^3, R^4 and R^5 are as herein described, processes for obtaining said compounds and pharmaceutical preparations containing them. These compounds are useful as anticancer agents, in particular as agents in the treatment of solid tumors.

WO 2009/047161 A1