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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number
WO 2005/063744 A2

(51) International Patent Classification[7]: C07D 471/00

(21) International Application Number:
PCT/US2004/043112

(22) International Filing Date:
21 December 2004 (21.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/532,292	22 December 2003 (22.12.2003)	US
60/533,963	2 January 2004 (02.01.2004)	US
60/591,069	26 July 2004 (26.07.2004)	US
60/591,024	26 July 2004 (26.07.2004)	US
60/590,989	26 July 2004 (26.07.2004)	US
60/590,990	26 July 2004 (26.07.2004)	US

(71) Applicants *(for all designated States except US)*: **K.U. LEUVEN RESEARCH & DEVELOPMENT** [BE/BE]; Groot Begijnhof, Benedenstraat 59, B-3000 Leuven (BE). **GILEAD SCIENCES, INC.** [US/US]; 333 Lakeside Drive, Foster City, CA 94404 (US).

(71) Applicant and
(72) Inventor: **PUERSTINGER, Gerhard** [AT/AT]; Badhausstrasse 10/4, A-6080 Igls (AT).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **BONDY, Steven, S.** [US/US]; 95 Hillview Drive, Danville, CA 94506 (US). **DOWDY, Eric, Davis** [US/US]; 1151 Compass Lane #203, Foster City, CA 94404 (US). **KIM, Choung, U.** [US/US]; 1750 Elizabeth Street, San Carlos, CA 94070 (US). **OARE, David, A.** [US/US]; 1622 Ralston Avenue, Belmont, CA 94002 (US). **NEYTS, Johan** [BE/BE]; Heidebergstraat 278, B-3010 Kessel-Lo (BE). **ZIA, Vahid** [US/US]; 53 Maple Way, San Carlos, CA 94070 (US).

(74) Agents: **WONG, James, J.** et al.; Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, CA 94404 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

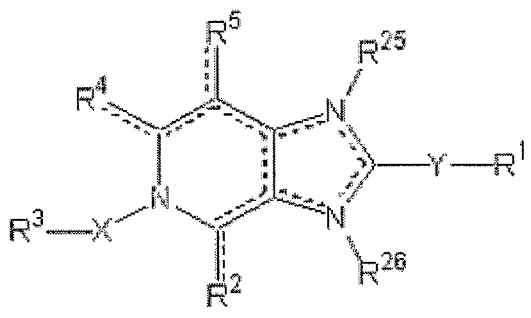
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, 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*

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 2005/063744 A2

(54) Title: IMIDAZO[4,5-c]PYRIDINE COMPOUNDS AND METHODS OF ANTIVIRAL TREATMENT



(A)

(57) Abstract: The present invention relates to pharmaceutical compositions for the treatment or prevention of viral infections comprising as an active principle at least one imidazo[4,5-c]pyridine prodrug having the general Formula (A) wherein the substituents are described in the specification. The invention also relates to processes for the preparation and screening of compounds according to the invention having above mentioned general Formula and their use in the treatment or prophylaxis of viral infections.