

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 September 2006 (08.09.2006)

PCT

(10) International Publication Number
WO 2006/093987 A1

(51) International Patent Classification:

C07H 19/23 (2006.01) A61K 31/55 (2006.01)
C07D 487/16 (2006.01) A61P 31/12 (2006.01)

California 92029 (US). KIM, Choung, U. [US/US]; 1750 Elizabeth Street, San Carlos, California 94070 (US).

(21) International Application Number:

PCT/US2006/007132

(74) Agents: SWISS, Gerald, F. et al.; Foley & Lardner LLP, 1530 Page Mill Road, Palo Alto, California 94304-1125 (US).

(22) International Filing Date:

28 February 2006 (28.02.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/657,463 28 February 2005 (28.02.2005) 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, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicants (for all designated States except US): GENELABS TECHNOLOGIES, INC. [US/US]; 505 Penobscot Drive, Redwood City, California 94063 (US). GILEAD SCIENCES, INC. [US/US]; 333 Lakeside Drive, Foster City, California 94404 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KEICHER, Jesse, D. [US/US]; 3339 La Mesa Drive, #5, San Carlos, California 94070 (US). ROBERTS, Christopher, Don [US/US]; 1160 Granada Street, Belmont, California 94002 (US). LIEHR, Sebastian, Johannes, Reinhard [DE/US]; 3349 Louis Road, Palo Alto, California 94303 (US). ZHENG, Xiaoling [US/US]; 240 Carmelita Place, Fremont, California 94539 (US). PRHAVC, Marija [SI/US]; 1122 Cambria Way, Encinitas, California 92024 (US). RAJWANSHI, Vivek, Kumar [IN/US]; 10678 Maplewood Road, #C, Cupertino, California 95014 (US). GRIFFITH, Ronald, Conrad [US/US]; 2508 Russett Glen, Escondido,

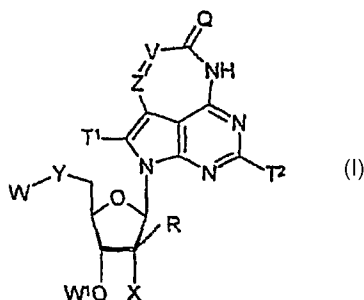
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT,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

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.

(54) Title: TRICYCLIC-NUCLEOSIDE COMPOUNDS FOR TREATING VIRAL INFECTIONS



(57) Abstract: Disclosed are tricyclic nucleoside compounds of formula (I), and methods thereof for treating viral infections mediated at least in part by a *Flaviviridae* family virus.