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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 July 2011 (21.07.2011)

PCT

(10) International Publication Number
WO 2011/088345 A1

(51) International Patent Classification:
C07D 409/12 (2006.01) *A61K 31/4436* (2006.01)
A61K 31/381 (2006.01) *A61P 31/00* (2006.01)

(21) International Application Number:
PCT/US2011/021335

(22) International Filing Date:
14 January 2011 (14.01.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/295,576 15 January 2010 (15.01.2010) US
61/353,481 10 June 2010 (10.06.2010) US

(71) Applicant *(for all designated States except US)*: **GILEAD SCIENCES, INC.** [US/US]; 333 Lakeside Drive, Foster City, CA 94404 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **CANALES, Eda** [US/US]; 419 Turner Terrace, Apt. 9, San Mateo, CA 94401 (US). **CLARKE, Michael, O'Neil Hanrahan** [US/US]; 545 Seastorm Drive, Redwood City, CA 94065 (US). **LAZERWITH, Scott, E.** [US/US]; 930 Scott Street #1, San Francisco, CA 94115 (US). **LEW, Willard** [US/US]; 1437 Overland Drive, San Mateo, CA 94403 (US). **MORGANELLI, Philip, Anthony** [US/US]; 3923 Webster Street, Oakland, CA 94609 (US). **WATKINS, William, J.** [GB/US]; 14275 Hilltop Way, Saratoga, CA 95070 (US).

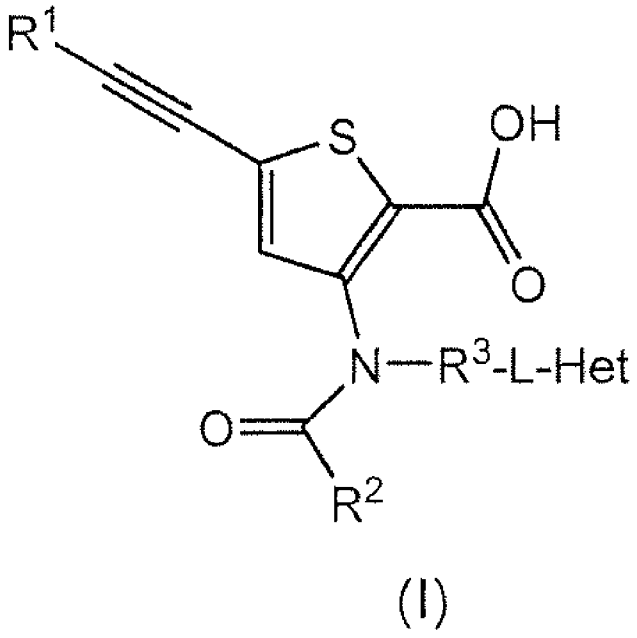
(74) Agents: **WARD, John, S.** et al.; Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, CA 94404 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, 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, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: INHIBITORS OF FLAVIVIRIDAE VIRUSES



(I)

(57) Abstract: Provided are compounds of Formula (I): and pharmaceutically acceptable salts and esters thereof. The compounds, compositions, and methods provided are useful for the treatment of *Flaviviridae* virus infections, particularly hepatitis C infections.

WO 2011/088345 A1

Published:

— *with international search report (Art. 21(3))*