

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
17 April 2025 (17.04.2025)



(10) International Publication Number
WO 2025/080863 A1

(51) International Patent Classification:

A61P 31/18 (2006.01) A61K 31/496 (2006.01)
C07D 498/22 (2006.01)

(21) International Application Number:

PCT/US2024/050812

(22) International Filing Date:

10 October 2024 (10.10.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/543,699 11 October 2023 (11.10.2023) US
63/641,589 02 May 2024 (02.05.2024) US

(71) Applicant: GILEAD SCIENCES, INC. [US/US]; 333
Lakeside Drive, Foster City, California 94404 (US).

(72) Inventors: ARMSTRONG, Megan K.; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US). CHOU, Chienhung; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US). GONZALEZ BUENROSTRO, Ana Z.; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US). HAN, Xiaochun; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US). JIANG, Lan; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US). LI, Jiayao; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US). SCHWARZWALDER, Gregg M.; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US). WU, Qiaoyin; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US). YANG, Hai; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US).

(74) Agent: BIERNESSER, Ashley et al.; Fish & Richardson P.C., P.O. Box 1022, Minneapolis, Minnesota 55440-1022 (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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every

kind of regional protection available): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

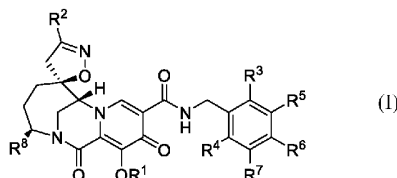
Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report (Art. 21(3))

(54) Title: BRIDGED TRICYCLIC CARBAMOYLPYRIDONE COMPOUNDS AND USES THEREOF



(57) Abstract: The present disclosure relates generally to compounds, of Formula (I). Also disclosed are pharmaceutical compositions comprising said compounds and methods of making said compounds. The compounds of the disclosure are useful in treating or preventing human immunodeficiency virus (HIV) infection.



WO 2025/080863 A1