

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
05 December 2024 (05.12.2024)



(10) International Publication Number
WO 2024/249517 A1

(51) International Patent Classification:

A61P 31/18 (2006.01) C07D 401/14 (2006.01)
A61K 31/55 (2006.01) C07F 9/6558 (2006.01)

(21) International Application Number:

PCT/US2024/031478

(22) International Filing Date:

29 May 2024 (29.05.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/470,139 31 May 2023 (31.05.2023) US

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

(72) Inventors: BRIZGYS, Gediminas J.; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US). CLARKE, Michael O'Neil Hanrahan; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US). FONDEKAR, Raheel; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US). GOYAL, Bindu; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US). MARTINEZ, Luisruben P.; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US). REID, Bradley Thomas; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US). SHAPIRO, Nathan D.; 2206 Coronet Boulevard, Belmont, California 94002 (US). TANG, Doris T.; c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 (US).

(74) Agent: DYAR, Scott et al.; Fish & Richardson P.C., P.O. Box 1022, Minneapolis, Minnesota 55440-1022 (US).

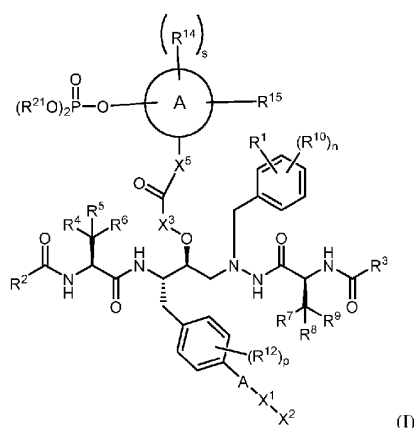
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, 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))

(54) Title: ANTI-HIV COMPOUNDS



(57) Abstract: The invention provides compounds having Formula (I): or a pharmaceutically acceptable salt thereof, as well as pharmaceutical compositions comprising the same, processes for their preparation, and methods of treating and preventing HIV infection by their administration.

WO 2024/249517 A1

[Continued on next page]

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*