

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
02 September 2021 (02.09.2021)



(10) International Publication Number
WO 2021/173713 A1

(51) International Patent Classification:

A61K 31/7076 (2006.01) C07H 19/207 (2006.01)

A61P 31/14 (2006.01)

(21) International Application Number:

PCT/US2021/019468

(22) International Filing Date:

24 February 2021 (24.02.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/982,670 27 February 2020 (27.02.2020) US

62/994,206 24 March 2020 (24.03.2020) US

63/032,247 29 May 2020 (29.05.2020) US

(71) Applicant: ATEA PHARMACEUTICALS, INC.

[US/US]; 125 Summer Street, Boston, MA 02110 (US).

(72) Inventors: SOMMADOSSI, Jean-pierre; c/o Atea Pharmaceuticals, Inc., 125 Summer Street, Boston, MA 02110 (US).

MOUSSA, Adel; c/o Atea Pharmaceuticals, Inc., 125 Summer Street, Boston, MA 02110 (US).

(74) Agent: BELLOWS, Brent, R.; Knowles Intellectual Property Strategies, LLC, 400 Perimeter Center Terrace, Suite 200, Atlanta, GA 30346 (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, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, 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, GH, GM, KE, LR, LS, MW, MZ, NA, RW, 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, 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: HIGHLY ACTIVE COMPOUNDS AGAINST COVID-19

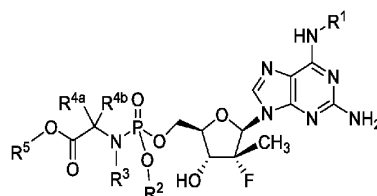


FIG. 11

(57) Abstract: The present invention is the use of purine nucleotide phosphoramidates or pharmaceutically acceptable salts thereof administered in an effective amount for the treatment or prevention of COVID-19, an infection caused by the SARS CoV-2 virus in a host, for example a human, in need thereof.



WO 2021/173713 A1