

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
18 November 2021 (18.11.2021)



(10) International Publication Number
WO 2021/231726 A1

(51) International Patent Classification:

C07D 215/233 (2006.01) A61P 31/00 (2006.01)
C07D 215/42 (2006.01) A61P 35/00 (2006.01)
C07D 239/94 (2006.01)

(21) International Application Number:

PCT/US2021/032249

(22) International Filing Date:

13 May 2021 (13.05.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

63/024,937 14 May 2020 (14.05.2020) US

(71) Applicant: **VIR BIOTECHNOLOGY, INC.** [US/US];
499 Illinois Street, Suite 500, San Francisco, California
94158 (US).

(72) Inventors: **SAITO, Roland D.**; 499 Illinois Street, Suite
500, San Francisco, California 94158 (US). **TSE, Winston
C.**; 499 Illinois Street, Suite 500, San Francisco, California
94158 (US).

(74) Agent: **ZHAO, Chen**; Wilson Sonsini Goodrich & Rosati,
650 Page Mill Road, Palo Alto, California 94304-1050
(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).

Published:

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

(54) Title: ENPPI MODULATORS AND USES THEREOF

(57) Abstract: The disclosure provides compositions and methods of quinoline, quinazolines, and pyridylpyridines derivatives for the inhibition of ENPPI modulators.

WO 2021/231726 A1