

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
12 August 2021 (12.08.2021)



(10) International Publication Number
WO 2021/155864 A1

(51) International Patent Classification:

C07C 69/88 (2006.01) A61P 31/14 (2006.01)
A61K 31/215 (2006.01)

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.

(21) International Application Number:

PCT/CN2021/075789

(22) International Filing Date:

07 February 2021 (07.02.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/971,972	08 February 2020 (08.02.2020)	US
62/977,219	15 February 2020 (15.02.2020)	US
63/014,448	23 April 2020 (23.04.2020)	US
17/014,774	08 September 2020 (08.09.2020)	US

(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))
- with sequence listing part of description (Rule 5.2(a))

(71) Applicant: SYNEURX INTERNATIONAL (TAIWAN)

CORP. [CN/CN]; 20F-10, No. 99, Sec. 1, Xintai 5th Road,
Xizhi District, New Taipei City, Taiwan 221 (CN).

(72) Inventors: TSAI, Guochuan Emil; 1380 South Marengo

Avenue, Pasadena, California 91106 (US). MAO, Yi-Wen;
20F-10, No. 99, Sec. 1, Xintai 5th Road, Xizhi District, New
Taipei City, Taiwan 221 (CN). LU, Lu-Ping; 20F-10, No.
99, Sec. 1, Xintai 5th Road, Xizhi District, New Taipei City,
Taiwan 221 (CN). CHANG, Wei-Hua; 20F-10, No. 99,
Sec. 1, Xintai 5th Road, Xizhi District, New Taipei City,
Taiwan 221 (CN). HSIEH, Han-Yi; 20F-10, No. 99, Sec.
1, Xintai 5th Road, Xizhi District, New Taipei City, Tai-
wan 221 (CN). HU, Jhe Wei; 20F-10, No. 99, Sec. 1, Xin-
tai 5th Road, Xizhi District, New Taipei City, Taiwan 221
(CN). SHIH, Tsai-Miao; 20F-10, No. 99, Sec. 1, Xintai 5th
Road, Xizhi District, New Taipei City, Taiwan 221 (CN).
HUANG, ChanHui; 20F-10, No. 99, Sec. 1, Xintai 5th
Road, Xizhi District, New Taipei City, Taiwan 221 (CN).

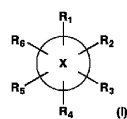
(74) Agent: LIU, SHEN & ASSOCIATES; 10th Floor, Build-

ing 1, 10 Caihefang Road, Haidian District, Beijing 100080
(CN).

(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,

(54) Title: COMPOUNDS AND PHARMACEUTICAL USES THEREOF



(57) Abstract: A method of treating coronavirus infection, comprising administering to a subject in need thereof an effective amount of a composition, wherein the composition comprises one or more compounds of Formula (I), or a pharmaceutically acceptable salt thereof.