

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
14 October 2021 (14.10.2021)



(10) International Publication Number
WO 2021/205412 A1

(51) International Patent Classification:

A61K 9/00 (2006.01) *A61K 31/4745* (2006.01)
A61K 9/127 (2006.01) *A61K 31/7004* (2006.01)
A61K 31/4196 (2006.01) *A61K 31/7056* (2006.01)

Published:

- with international search report (Art. 21(3))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE

(21) International Application Number:

PCT/IB2021/052986

(22) International Filing Date:

11 April 2021 (11.04.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10202003317P 11 April 2020 (11.04.2020) SG
10202003412U 14 April 2020 (14.04.2020) SG
10202003413P 14 April 2020 (14.04.2020) SG
PCT/EP2021/051646
25 January 2021 (25.01.2021) EP

(71) Applicant: **EXPLORATION INVEST PTE LTD**
[SG/SG]; 42 Emerald Hill Road, Singapore 229318 (SG).

(72) Inventors: **RISKE, Piotr**; c/o DG-Nika AG, Fadenbrücke 10, 6374 Buochs NW (CH). **GUBERNATOR, Jerzy**; c/o oDG-Nika AG, Fadenbrücke 10, 6374 Buochs NW (CH). **KOPPER, Helga**; Lipizach 49, A-9065 Ebenthal (AT).

(74) Agent: **SCHWEIGER, Martin** et al.; 105 Cecil Street, #12-04 The Octagon, Singapore 069534 (SG).

(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).

(54) Title: 2-DEOXY-D-GLUCOSE FOR PREVENTION AND TREATMENT OF A VIRAL DISEASE, IN PARTICULAR OF COVID-19

(57) Abstract: A method of applying a substance to a human body, the method comprising providing the substance, and delivering the sub-stance in the form of aerosol particles or powder particles to the nose or mouth of a person, wherein the particles comprise at least one active ingredient out of the group comprising ribavirin, emetine, 2-DG and NMS-873. Further, a use of substance for inhalation as well as a method and a device for dispensing the substance are provided.

