

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
17 October 2024 (17.10.2024)



(10) International Publication Number
WO 2024/215616 A3

(51) International Patent Classification:

A61K 39/215 (2006.01) A61P 31/14 (2006.01)
A61K 9/51 (2006.01) C07K 14/165 (2006.01)

(21) International Application Number:

PCT/US2024/023597

(22) International Filing Date:

08 April 2024 (08.04.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/458,102	08 April 2023 (08.04.2023)	US
63/587,231	02 October 2023 (02.10.2023)	US
63/588,932	09 October 2023 (09.10.2023)	US
63/549,343	02 February 2024 (02.02.2024)	US
63/575,093	05 April 2024 (05.04.2024)	US
PCT/US24/23590	08 April 2024 (08.04.2024)	US

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(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,

(54) Title: METHODS AND COMPOSITIONS FOR DENDRITIC CELL TARGETING VACCINES

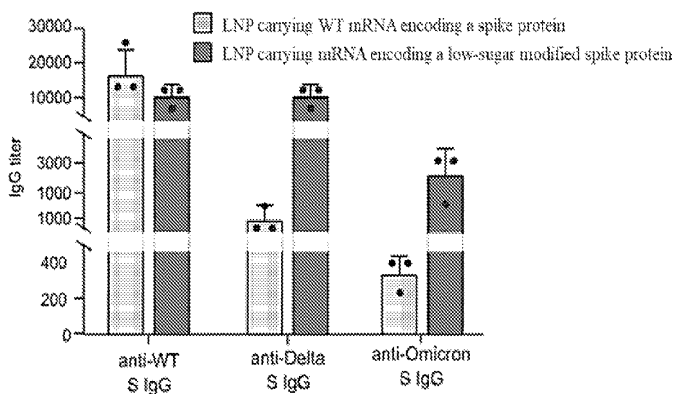


FIG. 10

(57) Abstract: The present disclosure provides novel compounds, methods, and cell targeting mRNA vaccine formulations for targeted delivery, such as delivery to dendritic cells. The compound and formulation provided herein are designed to have a targeting moiety configured to provide selective delivery features specific for dendritic cells and a lipid tail for incorporated into the bilayer membrane of the formed lipid nanoparticle.

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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).

Published:

- *with international search report (Art. 21(3))*
- *with sequence listing part of description (Rule 5.2(a))*

(88) Date of publication of the international search report:

27 February 2025 (27.02.2025)