

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
24 November 2022 (24.11.2022)



(10) International Publication Number
WO 2022/243518 A1

(51) International Patent Classification:

A61K 47/64 (2017.01) C12N 15/00 (2006.01)
A61K 47/68 (2017.01) A61K 38/17 (2006.01)
A61K 47/69 (2017.01) C07K 14/47 (2006.01)

(21) International Application Number:

PCT/EP2022/063732

(22) International Filing Date:

20 May 2022 (20.05.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

21175340.5 21 May 2021 (21.05.2021) EP
21205455.5 29 October 2021 (29.10.2021) EP
21212002.6 02 December 2021 (02.12.2021) EP

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



WO 2022/243518 A1

(54) Title: ANTIBODY-PROTAMINE FUSIONS AS TARGETING COMPOUNDS OF A PROTAMINE-BASED NANOPARTICLE

(57) Abstract: The present invention relates to a method of generating a nanoparticle comprising contacting (a) a fusion protein (A), said fusion protein (A) comprising an antibody (A1) and a positively charged polypeptide (A2); (b) a positively charged polypeptide (B); and (c) a negatively charged molecule (C); thereby forming a nanoparticle. The present invention also relates to a nanoparticle obtainable by a method of the invention, as well as to a nanoparticle comprising (a) a fusion protein (A), said fusion protein (A) comprising an antibody (A1) and a positively charged polypeptide (A2); (b) a positively charged polypeptide (B); and (c) one or more negatively charged molecule(s) (C). The present invention also relates to a composition comprising a nanoparticle of the invention and to a nanoparticle or composition of the invention for use in therapy.