

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
26 June 2025 (26.06.2025)



(10) International Publication Number
WO 2025/133166 A1

(51) International Patent Classification:
C07K 16/00 (2006.01) A61K 39/00 (2006.01)
C07K 16/18 (2006.01)

(21) International Application Number:
PCT/EP2024/087970

(22) International Filing Date:
20 December 2024 (20.12.2024)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
23219924.0 22 December 2023 (22.12.2023) 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, 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,
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))

(54) Title: PROTEIN-BASED CARRIERS FOR SITE-SPECIFIC AMINE CONJUGATION

(57) Abstract: The present technology relates to the field of drug delivery and provides molecules comprising or consisting of at least one ISVD suitable for site-specific conjugation, wherein the ISVD comprises at least one, preferably at least two, attachment point(s) or conjugation site(s). In particular, the technology relates to molecule comprising or consisting of at least one ISVD, wherein the at least one ISVD: - comprises at least one (engineered) lysine at least one solvent accessible position, wherein the solvent accessible position is not located at positions (43, 64, 75) and/or (83) (according to Kabat), preferably wherein the solvent accessible position is not located at positions (43, 64, 75, 83) and/or (97) (according to Kabat), even more preferably wherein the solvent accessible position is not located at positions (19, 43, 64, 75, 83, 97) and/or (105) (according to Kabat); or - comprises only two lysines in its amino acid sequence, wherein the two lysines are located at positions (43, 64, 75) and/or (83) (according to Kabat); - comprises a single lysine, wherein the single lysine is located at position (43, 64, 75) or (83) (according to Kabat); or - does not comprise any lysine in its sequence, preferably does not comprise any primary amine in its sequence.

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