

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
01 September 2022 (01.09.2022)



(10) International Publication Number
WO 2022/179570 A1

(51) International Patent Classification:

A61K 47/68 (2017.01) A61P 35/00 (2006.01)

C07K 16/00 (2006.01)

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

(21) International Application Number:

PCT/CN2022/077724

Published:

— with international search report (Art. 21(3))

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

(22) International Filing Date:

24 February 2022 (24.02.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PCT/CN2021/077864

25 February 2021 (25.02.2021) CN

PCT/CN2021/084952

01 April 2021 (01.04.2021) CN

(71) Applicant: SHANGHAI ALLYGEN BIOLOGICS CO., LTD. [CN/CN]; Room 205, 1518 Zhang Yang Road, Pudong New Area, Shanghai 200135 (CN).

(72) Inventors: XIANG, Jun; Room 205, 1518 Zhang Yang Road, Pudong New Area, Shanghai 200135 (CN). GAO, Wenlong; Room 205, 1518 Zhang Yang Road, Pudong New Area, Shanghai 200135 (CN).

(74) Agent: BEIJING CAI HE LAW FIRM; Room 1602, FuHai International Port, No. 17, Daliushu Road, Haidian District, Beijing 100081 (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, 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).

(54) Title: TARGETING CONJUGATES COMPRISING EFFECTOR MOLECULES AND USES THEREOF

(57) Abstract: Provided are targeting conjugates comprising a targeting moiety and an effector molecule, wherein the effector molecule is conjugated to the targeting moiety via a conjugation site, wherein the effector molecule can be released from the targeting conjugate via cleavage. Also provided are compositions and methods of treatment or diagnosis using the targeting conjugates.

WO 2022/179570 A1