

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
06 February 2025 (06.02.2025)



(10) International Publication Number
WO 2025/029860 A1

(51) International Patent Classification:

A61K 38/00 (2006.01) *A61K 31/425* (2006.01)
A61K 47/56 (2017.01) *A61K 47/54* (2017.01)
A61K 47/68 (2017.01)

(21) International Application Number:

PCT/US2024/040286

(22) International Filing Date:

31 July 2024 (31.07.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PCT/CN2023/110989

03 August 2023 (03.08.2023) CN

(71) Applicants: **ADCENTRX THERAPEUTICS INC.**

[US/US]; 5580 Morehouse Drive, Suite 210, San Diego, CA 92121 (US). **ADCENTRX THERAPEUTICS SHANGHAI CO. LTD.** [CN/CN]; 1st Floor, Building 2, No. 865, Zuchongzhi Road., Pudong New Area, Shanghai, 201203 (CN).

(72) Inventors: **GUO, Maojun**; 1st Floor, Building 2, No. 865,

Zuchongzhi Road, Pudong New Area, Shanghai, 201203 (CN). **LI, Richard Hui**; 5580 Morehouse Drive, Suite 210, San Diego, CA 92121 (US). **LEE, Dong Jun**; 5580 Morehouse Drive, Suite 210, San Diego, CA 92121 (US). **LUO, Wenlong**; 1st Floor, Building 2, No. 865, Zuchongzhi Road, Pudong New Area, Shanghai, 201203 (CN). **HAO, Hui**; 1st Floor, Building 2, No. 865, Zuchongzhi Road, Pudong New Area, Shanghai, 201203 (CN).

(74) Agent: **ZHANG, Yin Philip**; Milstein Zhang & Wu LLC,

2000 Commonwealth Ave. Suite 400, Newton, MA 02466 (US).

(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))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

WO 2025/029860 A1

(54) Title: DRUG CONJUGATES AND METHODS OF PREPARING AND USING THE SAME

(57) Abstract: The invention provides novel linkers, linker conjugates, and drug conjugates thereof, as well as methods of preparation and use thereof for treating various diseases and conditions.