

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
20 March 2025 (20.03.2025)



(10) International Publication Number
WO 2025/059190 A3

(51) International Patent Classification:

C07C 323/32 (2006.01) A61K 38/03 (2006.01)
C07K 7/06 (2006.01) C07K 1/113 (2006.01)

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).

(21) International Application Number:

PCT/US2024/046215

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))

(22) International Filing Date:

11 September 2024 (11.09.2024)

(25) Filing Language:

English

(26) Publication Language:

English

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

01 May 2025 (01.05.2025)

(30) Priority Data:

63/581,936 11 September 2023 (11.09.2023) US
63/591,072 17 October 2023 (17.10.2023) US
63/607,467 07 December 2023 (07.12.2023) US
63/631,357 08 April 2024 (08.04.2024) US

(71) Applicant: CATENA BIOSCIENCES, INC. [US/US];
2625 Durant Ave., Berkeley, California 94720 (US).

(72) Inventors: LOBBA, Marco; c/o Catena Biosciences,
Inc., 2625 Durant Ave., Berkeley, California 94720 (US).
KENDALL, Richard; c/o Catena Biosciences, Inc., 2625
Durant Ave., Berkeley, California 94720 (US). JOHRI,
Saurabh; c/o Catena Biosciences, Inc., 2625 Durant Ave.,
Berkeley, California 94720 (US). NGUYEN, Maxwell;
c/o Catena Biosciences, Inc., 2625 Durant Ave., Berke-
ley, California 94720 (US). TRINTER, Devin; c/o Catena
Biosciences, Inc., 2625 Durant Ave., Berkeley, California
94720 (US).

(74) Agent: AMAYA, Catherine et al.; Goodwin Procter LLP,
100 Northern Avenue, Boston, Massachusetts 02210 (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,

(54) Title: POLYPEPTIDE CONJUGATION COMPOSITIONS AND METHODS OF USE

(57) Abstract: Provided herein are conjugates for chemoselective modification of at least two polypeptides to at least two payloads.

WO 2025/059190 A3