



(51) International Patent Classification:

C07K 1/12 (2006.01) C07K 1/22 (2006.01)
C07K 1/18 (2006.01)

(21) International Application Number:

PCT/US2015/060230

(22) International Filing Date:

11 November 2015 (11.11.2015)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/078,171 11 November 2014 (11.11.2014) US
62/119,483 23 February 2015 (23.02.2015) US
62/211,378 28 August 2015 (28.08.2015) US

(71) Applicant: AMUNIX OPERATING INC. [US/US]; 500 Ellis Street, Mountain View, CA 94043 (US).

(72) Inventors: YANG, Fan; 2935 Berryessa Road, San Jose, CA 95132 (US). SCHELLENBERGER, Volker; 914 Moreno Avenue, Palo Alto, CA 94303 (US). DING, Sheng; 362 Chesapeake Avenue, Foster City, CA 94404 (US). THAYER, Desiree; 1144 Capuchina Ave., Apt. 4, Burlingame, CA 94010 (US). WANG, Chia-wei; 65 Barto Street, Santa Clara, CA 95051 (US).

(74) Agents: GIERING, Jeffery et al.; Wilson Sonsini Goodrich & Rosati, 650 Page Mill Road, Palo Alto, CA 94304-1050 (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, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, 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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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))
- 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))

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

21 July 2016

(54) Title: TARGETED XTEN CONJUGATE COMPOSITIONS AND METHODS OF MAKING SAME

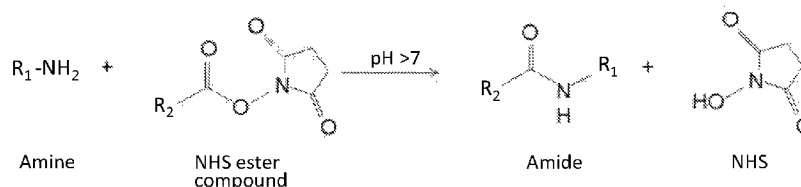


FIG. 2

(57) Abstract: The present disclosure provides drug conjugate compositions, and compositions and methods for preparing and using the same. In some embodiments, the present invention relates to targeted conjugate compositions comprising cysteine-containing domains (CCD) linked to targeting moieties, extended recombinant polypeptides (XTEN) and peptide cleavable moieties, with pharmacologically active payload drugs cross-linked to cysteine residues, resulting in compositions that can be cleaved by proteases associated with target tissues. The invention also provides methods of making the targeted conjugate compositions and methods of using the targeted conjugate compositions.