



(51) International Patent Classification:

C07K 14/55 (2006.01) C12N 15/26 (2006.01)
A61K 38/20 (2006.01)

(21) International Application Number:

PCT/US2018/045265

(22) International Filing Date:

03 August 2018 (03.08.2018)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/540,781 03 August 2017 (03.08.2017) US

(71) Applicant: **SYNTHORX, INC.** [US/US]; 11099 North Torrey Pines Road, Suite 290, La Jolla, California 92037 (US).

(72) Inventors: **PTACIN, Jerod**; 11099 North Torrey Pines Road, Suite 290, La Jolla, California 92037 (US). **CAFFARO, Carolina E.**; 11099 North Torrey Pines Road, Suite 290, La Jolla, California 92037 (US). **MILLA, Marcos**; 11099 North Torrey Pines Road, Suite 290, La Jolla, California 92037 (US).

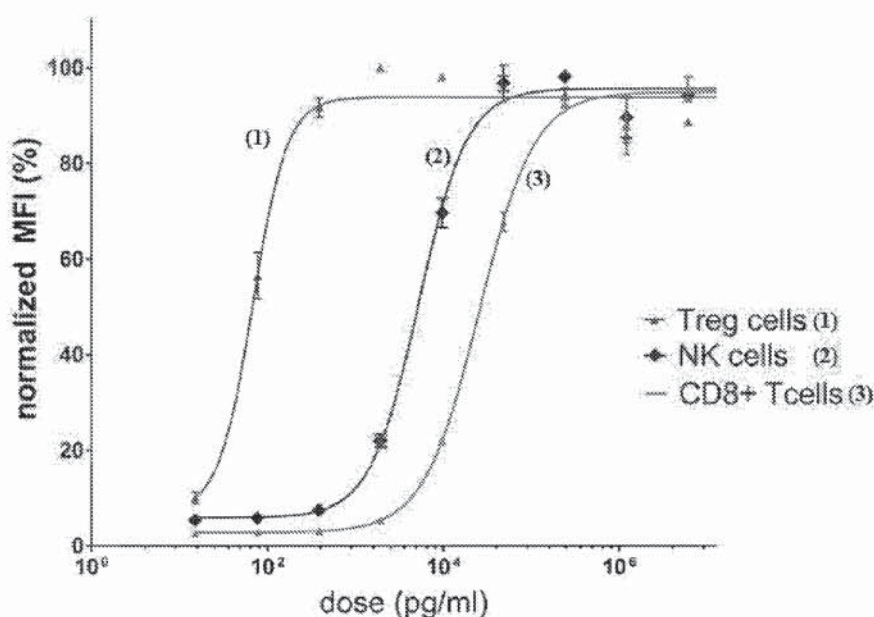
(74) Agent: **HOSTETLER, Michael J.**; Wilson Sonsini Goodrich & Rosati, 650 Page Mill Road, Palo Alto, California 94304 (US).

(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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, 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, 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).

(54) Title: CYTOKINE CONJUGATES FOR THE TREATMENT OF AUTOIMMUNE DISEASES

FIG. 4A



(57) Abstract: Disclosed herein are interleukin (IL) conjugates (e.g., IL-2 conjugates) and use in the treatment of one or more indications. Also described herein are pharmaceutical compositions and kits comprising one or more of the interleukin conjugates (e.g., IL-2 conjugates).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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))*
- *with sequence listing part of description (Rule 5.2(a))*