

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
09 September 2022 (09.09.2022)



(10) International Publication Number
WO 2022/186813 A1

(51) International Patent Classification:

A61K 31/785 (2006.01) A61P 13/12 (2006.01)
A61K 31/74 (2006.01) C08F 226/04 (2006.01)

(21) International Application Number:

PCT/US2021/020265

(22) International Filing Date:

01 March 2021 (01.03.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(71) Applicant: **TRICIDA, INC.** [US/US]; 7000 Shoreline Court, Suite 201, South San Francisco, California 94080 (US).

(72) Inventors: **KLAERNER, Gerrit**; c/o Tricida, Inc., 7000 Shoreline Court, Suite 201, South San Francisco, California 94080 (US). **CONNOR, Eric F.**; c/o Tricida, Inc., 7000 Shoreline Court, Suite 201, South San Francisco, California 94080 (US). **GBUR, Randi K.**; c/o Tricida, Inc., 7000 Shoreline Court, Suite 201, South San Francisco, California 94080 (US). **KADE, Matthew J.**; c/o Tricida, Inc., 7000 Shoreline Court, Suite 201, South San Francisco, California 94080 (US). **KIERSTEAD, Paul H.**; c/o Tricida, Inc., 7000 Shoreline Court, Suite 201, South San Francisco, California 94080 (US). **BIYANI, Kalpesh N.**; c/o Tricida, Inc., 7000 Shoreline Court, Suite 201, South San Francisco, California 94080 (US). **NGUYEN, Son H.**; c/o Tricida, Inc., 7000 Shoreline Court, Suite 201, South San Francisco, California 94080 (US). **TABAKMAN, Scott M.**; c/o Tricida,

Inc., 7000 Shoreline Court, Suite 201, South San Francisco, California 94080 (US).

(74) Agent: **COTTON, Abigail**; c/o Bryan Cave Leighton Paisner LLP, 211 North Broadway, Suite 3600, St. Louis, Missouri 63102 (US).

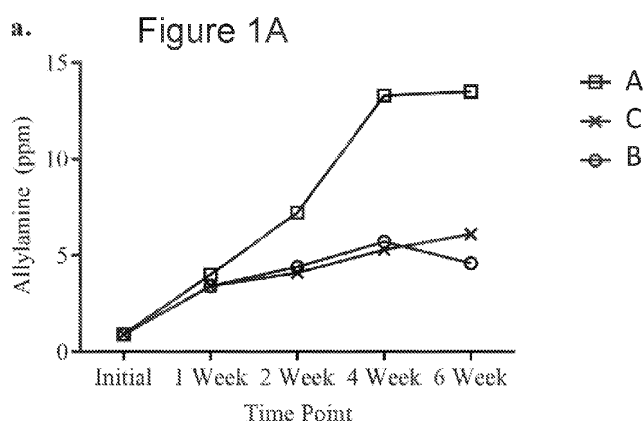
(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, 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).

Published:

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

(54) Title: **CROSSLINKED POLY(ALLYLAMINE) POLYMER PHARMACEUTICAL COMPOSITIONS**



(57) Abstract: Pharmaceutical compositions for and methods of treating an animal, including a human, and methods of preparing such compositions. The pharmaceutical compositions contain crosslinked amine polymers and may be used, for example, to treat diseases or other metabolic conditions in which removal of a target species from the gastrointestinal tract would provide physiological benefits.