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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
09 April 2020 (09.04.2020)

WIPO | PCT

(10) International Publication Number
WO 2020/072848 A1

(51) International Patent Classification:
A61K 9/19 (2006.01) *A61P 37/00* (2006.01)
A61K 47/26 (2006.01) *A61P 29/00* (2006.01)
A61K 38/06 (2006.01)

(21) International Application Number:
PCT/US2019/054605

(22) International Filing Date:
04 October 2019 (04.10.2019)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/741,221 04 October 2018 (04.10.2018) US

(71) Applicant: **KEZAR LIFE SCIENCES** [US/US]; 4000 Shoreline Court, Ste. 300, South San Francisco, CA 94080 (US).

(72) Inventor: **LEWIS, Evan**; 687 Calabasas Road, Watsonville, CA 95076 (US).

(74) Agent: **DANEK, Shelley, C.**; Marshall, Gerstein & Borun LLP, 233 S. Wacker Drive, 6300 Willis Tower, Chicago, IL 60606-6357 (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).

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))*

(54) Title: IMMUNOPROTEASOME INHIBITOR FORMULATION

(57) Abstract: Provided herein are pharmaceutical formulations comprising KZR-616 or a salt thereof, and a sugar, wherein the formulations are lyophilized, methods of preparing said formulations, methods of treating immune-related diseases, and methods of treating inflammation.

WO 2020/072848 A1