

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
10 December 2020 (10.12.2020)



(10) International Publication Number
WO 2020/247019 A1

(51) International Patent Classification:

C07D 215/233 (2006.01) A61P 35/00 (2006.01)

A61K 31/47 (2006.01)

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).

(21) International Application Number:

PCT/US2019/065980

(22) International Filing Date:

12 December 2019 (12.12.2019)

Published:

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

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/856,404 03 June 2019 (03.06.2019) US

(71) Applicant: **EXELIXIS, INC.** [US/US]; 1851 Harbor Bay Parkway, Alameda, CA 94502 (US).

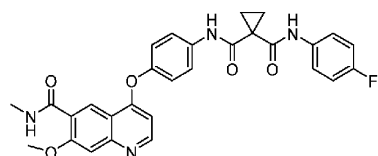
(72) Inventors: **DEMORIN, Frenel**; 702 North Lariat Circle, Long Beach, CA 90815 (US). **SHAH, Khalid**; 281 Eagle Trace Drive, Half Moon Bay, CA 94019 (US). **SHAKYA, Sagar**; 12180 Dormouse Road, San Diego, CA 92129 (US). **WONG, Peter**; 684 Sierra Point Road, Brisbane, CA 94005 (US). **JOHNSON, Courtney S.**; 2488 Cascade Court, West Lafayette, IN 47906 (US). **BEVILL, Melanie Janelle**; 5136 Flowermound Dr., West Lafayette, IN 47906 (US). **PARENT, Stephan D.**; 1200 Fawn Ridge Dr., West Lafayette, IN 47906 (US).

(74) Agent: **BERVEN, Heidi M.**; Honigman LLP, 650 Trade Centre Way, Suite 200, Kalamazoo, MI 49002-0402 (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,

(54) Title: CRYSTALLINE SALT FORMS OF A KINASE INHIBITOR



Compound 1

(57) Abstract: The present invention relates to crystalline forms of salts of Compound 1. The invention also relates to pharmaceutical compositions comprising the solid crystalline salts of Compound 1. The invention further relates to methods of treating a disease, disorder, or syndrome mediated at least in part by modulating *in vivo* activity of a protein kinase.



WO 2020/247019 A1