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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
18 January 2018 (18.01.2018)

WIPO | PCT

(10) International Publication Number
WO 2018/011579 A1

(51) International Patent Classification:
A61K 31/415 (2006.01) *A61P 29/00* (2006.01)
C07D 231/38 (2006.01)

(21) International Application Number:
PCT/GB2017/052056

(22) International Filing Date:
13 July 2017 (13.07.2017)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1612240.0 14 July 2016 (14.07.2016) GB

(71) Applicant: **MEREO BIOPHARMA 1 LIMITED** [—/GB]; 1 Cavendish Place, London, Greater London W1G 0QF (GB).

(72) Inventors: **SULEIMAN, Osama**; Johnson Matthey Plc., Fine Chemicals Division (Pharmorphix), 250 Cambridge Science Park, Milton Road, Cambridge Cambridgeshire CB4 0WE (GB). **PEREZ, Lucia Romero**; Johnson Matthey Plc., Johnson Matthey Chemical Product, Orchard Road, Royston, Hertfordshire SG8 5HE (GB). **HARLACHER, Cornelius Stephan**; Zihlackerstrasse 60, 4153 Reinach (CH). **JONES, Stewart**; Mereo Biopharma Group plc, 4th Floor, 1 Cavendish Place, London, Greater London W1G 0QF (GB).

(74) Agent: **GILL JENNINGS & EVERY LLP** et al.; The Broadgate Tower, 20 Primrose Street, London, Greater London EC2A 2ES (GB).

(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))*

(54) Title: METHOD FOR PRODUCING A POLYMORPHIC FORM OF 3-[5-AMINO-4-(3- CYANOBENZOYL)-PYRAZOL-1-YL]-N-CYCLOPROPYL-4-METHYLBENZAMIDE

(57) Abstract: This invention relates to a process for the preparation of Form A of 3-[5-amino-4-(3- cyanobenzoyl)-pyrazol-1-yl]-N-cyclopropyl-4-methylbenzamide. Also disclosed herein is Form A of 3-[5-amino-4-(3-cyanobenzoyl)-pyrazol-1-yl]-N-cyclopropyl-4-methylbenzamide, or pharmaceutical compositions thereof, obtainable by the process described herein.

WO 2018/011579 A1