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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
18 September 2025 (18.09.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/191141 A1

(51) International Patent Classification:
C07D 239/26 (2006.01) *A61K 31/505* (2006.01)
A61P 29/00 (2006.01)

(21) International Application Number:
PCT/EP2025/057044

(22) International Filing Date:
14 March 2025 (14.03.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/566,096 15 March 2024 (15.03.2024) US

(71) Applicant: **NODTHERA LIMITED** [GB/GB]; Suite 8, The Mansion, Chesterford Research Park, Little Chesterford CB10 1XL (GB).

(72) Inventors: **READER, Valérie Andrée**; 6 Market Lane, Linton Cambridgeshire CB21 4HU (GB). **PEGG, Simon Nicholas**; 3 Manor Drive, Horspath, Oxford Oxfordshire OX33 1RW (GB). **BAXTER, Andrew Douglas**; Hilltop, 55 Horsecroft Road, Bury St Edmunds IP33 2DT (GB). **ZBROJKIEWICZ, Olga**; 30 Keelmount Grange, Portadown BT62 1UE (GB). **BOBIN, Mariusz**; 131 Larkfield Meadows, Craigavon BT65 5JD (GB).

(74) Agent: **GIBSON, Mark**; Sagittarius IP, Marlow International, Parkway, Marlow SL7 1YL (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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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, UY, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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).

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))*
— *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*

(54) Title: METHODS OF PREPARING CARBAMATE DERIVATIVES

(57) Abstract: The present disclosure relates to methods of preparing 2-methylpyrimidine salt from 4,6-dichloro-2-methylpyrimidine. The present disclosure also relates to compounds being prepared by the methods, the pharmaceutical compositions comprising the compounds, and the use thereof, e.g., in the treatment of disorders (e.g., in which inflammasome activity is implicated).

WO 2025/191141 A1