



(51) International Patent Classification:

C07D 209/14 (2006.01) *C07D 471/04* (2006.01)
C07D 401/10 (2006.01) *C07D 403/10* (2006.01)

(21) International Application Number:

PCT/SG2013/000219

(22) International Filing Date:

30 May 2013 (30.05.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

201204064-8 1 June 2012 (01.06.2012) SG

(71) Applicant: NATIONAL UNIVERSITY OF SINGAPORE [SG/SG]; 21 Lower Kent Ridge Road, Singapore 119077 (SG).

(72) Inventors: RAMANUJULU, Pondy Murugappan; Department of Pharmacy, National University of Singapore, 18 Science Drive 4, Singapore 117543 (SG). YANG, Tianming; Department of Pharmacy, National University of Singapore, 18 Science Drive 4, Singapore 117543 (SG). CASEY, Mei-Wang; Duke NUS Graduate Medical School, 8, College Road, Singapore 169857 (SG). CASEY, Patrick J; Duke NUS Graduate Medical School, 8, College Road, Singapore 169857 (SG). GO, Mei Lin; Department of Pharmacy, National University of Singapore, 18 Science Drive 4, Singapore 117543 (SG).

(74) Agent: SPRUSON & FERGUSON (ASIA) PTE LTD; P.O. Box 1531, Robinson Road Post Office, Singapore 903031 (SG).

(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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, 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, 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).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

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

(54) Title: ICMT Inhibitors

(57) Abstract: The invention provides a 1,3,5-substituted indole wherein the substituent at position 1 is a C6 to C12 alkyl group; the substituent at position 3 is CH₂NR¹R² wherein R¹ is H or C1 to C3 alkyl, R¹ being optionally substituted with -OH, -SH, -NH₂ or NHalkyl, wherein alkyl is a C1 to C4 alkyl group, and R² is C1 to C3 alkyl or (CH₂)_n bonded to position 2 of the indole, wherein n is 1, 2 or 3; and the substituent at position 5 is either an optionally substituted nitrogen containing heteroaromatic ring or an aminosulfonylphenyl group or an alkylsulfonylphenyl group.

