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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
25 October 2007 (25.10.2007)

PCT

(10) International Publication Number
WO 2007/118318 A1

(51) International Patent Classification:
A61K 31/433 (2006.01) *A61K 31/497* (2006.01)
A61K 31/4439 (2006.01) *A61K 31/5377* (2006.01)
A61K 31/454 (2006.01) *A61P 25/04* (2006.01)

(21) International Application Number:
PCT/CA2007/000627

(22) International Filing Date: 13 April 2007 (13.04.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/791,473 13 April 2006 (13.04.2006) US
60/799,480 11 May 2006 (11.05.2006) US

(71) Applicant *(for all designated States except US)*: **AEGERA THERAPEUTICS INC.** [CA/CA]; 810 Chemin du Golf, Iles des Soeurs, Montréal, Québec H3E 1A8 (CA).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **DURKIN, Jon** [CA/CA]; 4855 Chemin de la Cote St-Luc, Suite 306, Montreal, Quebec H3W 2H5 (CA). **HEWITT, Kimberley** [CA/CA]; 4855 Chemin de la Cote St-Luc, Suite 306, Montreal, Quebec H3W 2H5 (CA). **WINOCOUR, Peter** [CA/CA]; 8 Finch Street, Montreal, Quebec H9A 3G9 (CA).

(74) Agents: **SWAIN, Philip** et al.; Gowling Lafleur Henderson LLP, 1 Place Ville Marie, 37th Floor, Montreal, Quebec H3B 3P4 (CA).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

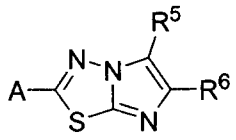
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:
— *of inventorship (Rule 4.17(iv))*

Published:
— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) **Title:** USE OF IMIDAZO[2,1-*b*)]-1,3,4-THIADIAZOLE-2-SULFONAMIDE COMPOUNDS TO TREAT NEUROPATHIC PAIN



(I)

(57) **Abstract:** Disclosed herein are methods and compositions for treating and/or prophylaxis of neuropathic pain in a subject. The methods comprise administering to the subject suffering from neuropathic pain, a therapeutically effective amount of a compound, according to Formula (I): or a salt thereof, wherein A, R^5 and R^6 are defined herein.

WO 2007/118318 A1