

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2016/011390 A8

(43) International Publication Date
21 January 2016 (21.01.2016)

(51) International Patent Classification:

C07D 401/14 (2006.01) *C07D 471/04* (2006.01)
C07D 405/14 (2006.01) *A61K 31/416* (2006.01)
C07D 413/14 (2006.01) *A61P 29/00* (2006.01)

(21) International Application Number:

PCT/US2015/040967

(22) International Filing Date:

17 July 2015 (17.07.2015)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/026,214 18 July 2014 (18.07.2014) US

(71) Applicant: **BIOGEN MA INC.** [US/US]; 250 Binney Street, Cambridge, MA 02142 (US).

(72) Inventors: **CHAN, Timothy**; 250 Binney Street, Cambridge, MA 02142 (US). **GUCKIAN, Kevin**; 250 Binney Street, Cambridge, MA 02142 (US). **JENKINS, Tracy**; 250 Binney Street, Cambridge, MA 02142 (US). **THOMAS, Jermaine**; 250 Binney Street, Cambridge, MA 02142 (US). **VESSELS, Jeffery**; 250 Binney Street, Cambridge, MA 02142 (US). **KUMARAVEL, Gnanasambandam**; 250 Binney Street, Cambridge, MA 02142 (US). **MEISSNER, Robert**; 250 Binney Street, Cambridge, MA 02142 (US). **LYSSIKATOS, Joseph**; 250 Binney Street, Cambridge, MA 02142 (US). **LUCAS, Brian**; 250 Binney Street, Cambridge, MA 02142 (US). **LEAF, Irina**; 250 Binney Street, Cambridge, MA 02142 (US). **DUFFIELD, Jeremy**; 250 Binney Street, Cambridge, MA 02142 (US).

(74) Agents: **DAVIS, Steven G.** et al.; Mccarter & English, LLP, 265 Franklin Street, Boston, MA 02110 (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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, 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))

(48) Date of publication of this corrected version:

7 April 2016

(15) Information about Correction:

see Notice of 7 April 2016

(54) Title: IRAK4 INHIBITING AGENTS

(57) Abstract: Provided are compounds of Formula (I), or pharmaceutically acceptable salts thereof, and methods for their use and production.



WO 2016/011390 A8