

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
19 October 2023 (19.10.2023)



(10) International Publication Number
WO 2023/200892 A1

(51) International Patent Classification:

A61K 31/444 (2006.01) A61P 25/14 (2006.01)
A61P 21/00 (2006.01)

(21) International Application Number:

PCT/US2023/018372

(22) International Filing Date:

12 April 2023 (12.04.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/331,547 15 April 2022 (15.04.2022) US

(71) Applicant: LEXICON PHARMACEUTICALS, INC.
[US/US]; 2445 Technology Forest Blvd., 11th Floor, The
Woodlands, Texas 77381 (US).

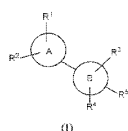
(72) Inventors: GOPINATHAN, Suma; c/o Lexicon Pharma-
ceuticals, Inc., 2445 Technology Forest Blvd., 11th Floor,
The Woodlands, Texas 77381 (US). TYLE, Praveen; c/
o Lexicon Pharmaceuticals, Inc., 2445 Technology Forest
Bld., 11th Floor, The Woodlands, Texas 77381 (US).
YANG, Qi Melissa; c/o Lexicon Pharmaceuticals, Inc.,
2445 Technology Forest Blvd., 11th Floor, The Woodlands,
Texas 77381 (US).

(74) Agent: BACHRACH, Max et al.; 7900 International Drive,
Suite 410, Bloomington, Minnesota 55425 (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, 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, 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).

(54) Title: COMPOUNDS AND METHODS FOR TREATING SPASTICITY



(57) Abstract: Provided herein are methods of treating and
preventing spasticity in a patient in need thereof. A particular
method comprises administering an effective amount of an adap-
tor associated kinase 1 inhibitor of Formula (I).

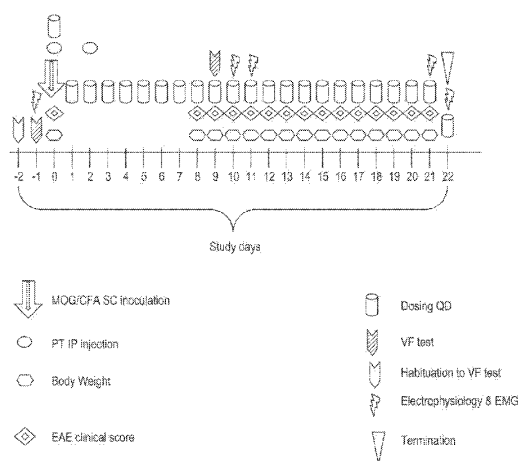


FIG. 1

WO 2023/200892 A1

[Continued on next page]

Published:

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