

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
06 July 2023 (06.07.2023)



(10) International Publication Number
WO 2023/129649 A1

(51) International Patent Classification:

A61K 31/16 (2006.01) A61K 31/18 (2006.01)
A61K 31/015 (2006.01) A61K 31/03 (2006.01)

(21) International Application Number:

PCT/US2022/054243

(22) International Filing Date:

29 December 2022 (29.12.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/295,076 30 December 2021 (30.12.2021) US
63/477,264 27 December 2022 (27.12.2022) US

(71) Applicant: **NEUROPRO THERAPEUTICS, INC.**
[US/US]; PO Box 698, Yachats, Oregon 498 (US).

(72) Inventor: **HOCHMAN, Daryl W.**; 18 Basalt Loop,
Yachats, Oregon 97498 (US).

(74) Agent: **FIX, Amy H.** et al.; Barnes & Thornburg LLP, 4208
Six Forks Road Suite 1010, Raleigh, North Carolina 27609
(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, 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, 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: PHARMACEUTICAL COMPOSITION

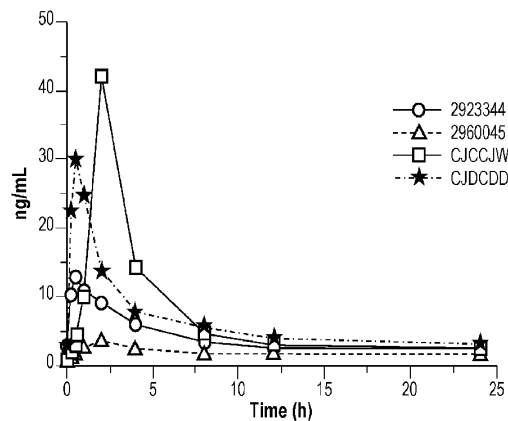


Fig. 1A

(57) **Abstract:** Described herein is Bumetanide Dibenzylamide, methods for synthesizing Bumetanide Dibenzylamide, pharmaceutical compositions thereof, and methods of dosing Bumetanide Dibenzylamide for treating epilepsy or other indication for which bumetanide is effective.

[Continued on next page]

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*