

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
06 September 2024 (06.09.2024)



(10) International Publication Number
WO 2024/182654 A1

(51) International Patent Classification:

A61K 31/395 (2006.01) A61K 31/166 (2006.01)
A61K 31/445 (2006.01) A61K 31/33 (2006.01)

(21) International Application Number:

PCT/US2024/017961

(22) International Filing Date:

01 March 2024 (01.03.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/449,529 02 March 2023 (02.03.2023) US

(71) Applicant: **PRAXIS PRECISION MEDICINES, INC.**
[US/US]; 99 High Street, 30th Floor, Boston, MA 02110
(US).

(72) Inventor: **HASHASH, Ahmad**; 99 High Street, 30th Floor,
Boston, MA 02110 (US).

(74) Agent: **MARGOLIN, Yelena** 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, 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: HIGH STRENGTH SINGLE UNIT DOSE FORMULATIONS AND METHODS OF USE THEREOF

(57) Abstract: Described herein, in part, are single-unit dosage forms, comprising the compound of Formula (I) or a pharmaceutically acceptable salt thereof (e.g., the compound of Formula (II), e.g., PRAX-944 HCl), wherein the composition is bioequivalent to a reference composition of the same dosage strength administered as multiple small, round tablets. The present invention further comprises methods useful for treating a disease or condition relating to aberrant function or activity of a T-type calcium channel, such as tremor (e.g., essential tremor).



WO 2024/182654 A1