

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
15 December 2022 (15.12.2022)



(10) International Publication Number
WO 2022/261282 A1

(51) International Patent Classification:

A61K 31/33 (2006.01) A61K 31/435 (2006.01)
A61K 31/4725 (2006.01) A61L 31/00 (2006.01)

(21) International Application Number:

PCT/US2022/032778

(22) International Filing Date:

09 June 2022 (09.06.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/208,886 09 June 2021 (09.06.2021) US

(71) Applicant: **PRONIRAS CORPORATION** [US/US];
2815 Eastlake Ave E, Ste 300, Seattle, Washington 98102
(US).

(72) Inventor: **TOOMBS, Christopher Francis**; 2220 247th
Court NE, Sammamish, Washington 98074 (US).

(74) Agent: **CHRISTIANSEN, William T.**, et al.; Cooley LLP,
1299 Pennsylvania Ave., NW, Suite 700, Washington, Dis-
trict of Columbia 20004 (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, 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, 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, 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, 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).

Declarations under Rule 4.17:

— as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii))

Published:

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

(54) Title: METHODS OF TREATING OR PREVENTING CONDITIONS ASSOCIATED WITH OPIATE WITHDRAWAL OR
OPIATE RELAPSE

(57) Abstract: The present disclosure relates to methods of treating or preventing a condition (e.g., a symptom associated with opiate withdrawal or opiate relapse) in a subject, comprising administering to the subject a therapeutically effective amount of tezampanel, a pharmaceutically acceptable salt thereof, or a prodrug thereof.



WO 2022/261282 A1