

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
19 December 2024 (19.12.2024)



(10) International Publication Number
WO 2024/259258 A3

(51) International Patent Classification:

A61K 31/14 (2006.01) A61K 31/164 (2006.01)
A61K 31/13 (2006.01) A61K 31/131 (2006.01)

Published:

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

(21) International Application Number:

PCT/US2024/034043

(88) Date of publication of the international search report:

12 June 2025 (12.06.2025)

(22) International Filing Date:

14 June 2024 (14.06.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/508,601 16 June 2023 (16.06.2023) US

(71) Applicant: **VISUS THERAPEUTICS, INC.** [US/US]; 2
Nickerson Street, Suite 101, Seattle, Washington 98109
(US).

(72) Inventors: **GRINSTEAD, Tim**; c/o Visus Therapeutics,
Inc., 2 Nickerson Street, Suite 101, Seattle, Washington
98109 (US). **REID, J. Gregory**; 11849 Osprey Point Cir-
cle, Wellington, Florida 33449 (US). **TSE, Hoi Lun Allan**;
42 Dogwood Street, Markham, Ontario L6E 1G3 (CA).

(74) Agent: **GILLENLINE, Marsha Rose** et al.; Sterne,
Kessler, Goldstein & Fox P.L.L.C., 1101 K Street NW, 10th
Floor, Washington, District of Columbia 20005 (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).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

(54) Title: SYNTHESIS OF 2-(CARBAMOYLOXY)-N,N,N-TRIMETHYLETHAN-1-AMINIUM SALTS

(57) Abstract: The present disclosure is directed to a synthetic process for preparing and purifying 2- (Carbamoyloxy)-N,N,N-trimethylethan-1-aminium salts and pharmaceutical compositions thereof.

WO 2024/259258 A3