

(19) World Intellectual Property
Organization
International Bureau



WIPO | PCT



(10) International Publication Number
WO 2024/226914 A8

(43) International Publication Date
31 October 2024 (31.10.2024)

(51) International Patent Classification:

A61K 31/395 (2006.01) *A61K 31/496* (2006.01)
A61K 31/167 (2006.01) *A61K 31/33* (2006.01)
A61K 31/166 (2006.01)

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))

(21) International Application Number:

PCT/US2024/026430

Published:

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

(22) International Filing Date:

26 April 2024 (26.04.2024)

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

23 January 2025 (23.01.2025)

(25) Filing Language:

English

(48) Date of publication of this corrected version:

02 October 2025 (02.10.2025)

(26) Publication Language:

English

(30) Priority Data:

63/462,418 27 April 2023 (27.04.2023) US
63/546,090 27 October 2023 (27.10.2023) US
63/614,730 26 December 2023 (26.12.2023) US

(15) Information about Correction:

see Notice of 02 October 2025 (02.10.2025)

(71) Applicant: **SEPTERNA, INC.** [US/US]; 250 East Grand
Avenue, Suite 65, South San Francisco, CA 94080 (US).

(72) Inventors: **MCKERRALL, Steven J.**; 4163 23rd Street,
San Francisco, CA 94114 (US). **VOLGRAF, Matthew**;
4655 Park Boulevard, Oakland, CA 94602 (US). **RAUB,**
Andrew Goodwin; 825 Central Ave, Apt. A, Alameda, CA
94501 (US). **AYDIN, Deniz**; 770 Bair Island Road, Apt.
403, Redwood City, CA 94063 (US).

(74) Agent: **GORDON, Dana M.** et al.; Foley Hoag LLP, 155
Seaport Boulevard, Boston, MA 02210-2600 (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,

(54) Title: MRGPRX2 INHIBITORS AND METHODS OF USE THEREOF

(57) Abstract: Disclosed are compounds, compositions, and methods useful for preventing or treating an MRGPRX2-mediated disease or disorder.

WO 2024/226914 A8