

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
12 December 2024 (12.12.2024)



(10) International Publication Number
WO 2024/254017 A3

(51) International Patent Classification:

A61K 38/12 (2006.01) C07K 14/47 (2006.01)
C07K 7/56 (2006.01) A61P 35/00 (2006.01)
A61K 45/06 (2006.01)

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).

(21) International Application Number:

PCT/US2024/032319

(22) International Filing Date:

03 June 2024 (03.06.2024)

Published:

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

(25) Filing Language:

English

(26) Publication Language:

English

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

24 April 2025 (24.04.2025)

(30) Priority Data:

63/471,492 06 June 2023 (06.06.2023) US
63/510,357 26 June 2023 (26.06.2023) US

(71) Applicant: PARABILIS MEDICINES, INC. [US/US];

30 Acorn Park Drive, CAMBRIDGE, Massachusetts 02140 (US).

(72) Inventors: ORFORD, Keith William; c/o Parabilis Medi-

cines, Inc., 30 Acorn Park Drive, Cambridge, Massachusetts 02140 (US). YU, Lihua; c/o PARABILIS MEDICINES, INC., 30 Acorn Park Drive, Cambridge, Massachusetts 02140 (US). MARTINOT, Theodore Anael; c/o PARABILIS MEDICINES, INC., 30 Acorn Park Drive, Cambridge, Massachusetts 02140 (US). HUROY, Jonathan Barry; c/o PARABILIS MEDICINES, INC., 30 Acorn Park Drive, Cambridge, Massachusetts 02140 (US). SI, Yaguang; c/o PARABILIS MEDICINES, INC., 30 Acorn Park Drive, Cambridge, Massachusetts 02140 (US). HAN, Xinwei; c/o PARABILIS MEDICINES, INC., 30 Acorn Park Drive, Cambridge, Massachusetts 02140 (US).

(74) Agent: LI, Xiaodong et al.; CHOATE, HALL & STE-

WART LLP, Two International Place, Boston, Massachusetts 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,

(54) Title: STAPLED PEPTIDES AND METHODS THEREOF

(57) Abstract: Among other things, the present disclosure provides technologies including 1-66 formulations, compositions, methods, etc. for treating various cancers.

WO 2024/254017 A3