

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
29 September 2022 (29.09.2022)



(10) International Publication Number
WO 2022/204305 A3

(51) International Patent Classification:

A61K 38/00 (2006.01) C07K 7/06 (2006.01)
A61K 38/08 (2019.01)

(21) International Application Number:

PCT/US2022/021579

(22) International Filing Date:

23 March 2022 (23.03.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/165,611 24 March 2021 (24.03.2021) US
63/271,646 25 October 2021 (25.10.2021) US

(71) Applicant: **GLO PHARMA, INC.** [US/US]; 315 South Coast Highway, Suite U290, Encinitas, California 92024 (US).

(72) Inventor: **LOVE, Robert A.**; 315 South Coast Highway, Suite U290, Encinitas, California 92024 (US).

(74) Agent: **PESSIAN, Maysam**; Wilson Sonsini, 650 Page Mill Road, Palo Alto, California 94304 (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, 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).

(54) Title: PEPTIDES AND METHODS FOR REDUCING SKIN PIGMENTATION

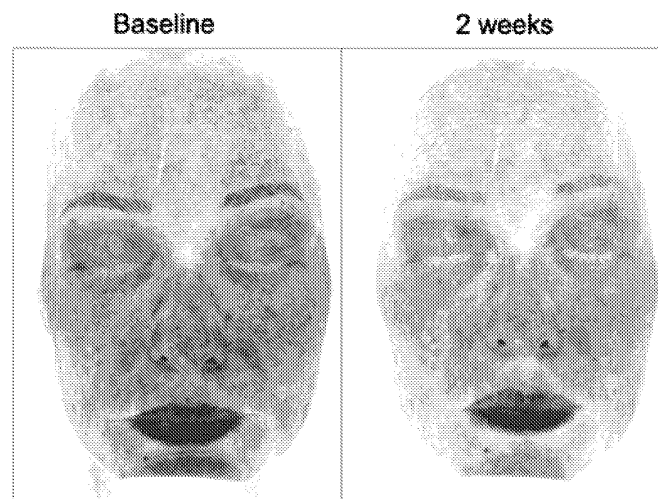


FIG. 3

(57) Abstract: The present disclosure relates to novel peptide antagonists that inhibit binding of melanocyte stimulating hormone to the melanocortin 1 receptor. The peptide antagonists of the disclosure are useful in cosmetic compositions that prevent or reduce the appearance of skin discoloration caused by pigmentation. The disclosure further relates to cosmetic compositions comprising a peptide antagonist of the disclosure, and methods for their use for preventing or reducing the appearance of skin discoloration in a subject in need thereof.

[Continued on next page]

WO 2022/204305 A3

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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

17 November 2022 (17.11.2022)