

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
23 January 2025 (23.01.2025)



(10) International Publication Number
WO 2025/019368 A1

(51) International Patent Classification:

A61K 8/64 (2006.01) A61K 8/67 (2006.01)
A61K 8/66 (2006.01) A61Q 19/08 (2006.01)

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/US2024/037916

(22) International Filing Date:

12 July 2024 (12.07.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/526,911 14 July 2023 (14.07.2023) US
63/580,278 01 September 2023 (01.09.2023) US
63/613,403 21 December 2023 (21.12.2023) US

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(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,

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))

(54) Title: TOPICAL ANTIOXIDANT COMPOSITIONS AND METHODS OF USING THE SAME

(57) Abstract: Topical compositions comprise at least one hydrophilic antioxidant, wherein the at least one hydrophilic antioxidant comprises sodium ascorbate; a hydrophobic antioxidant; and an enzymatic antioxidant. Topical compositions according to the present disclosure may be used to treat skin (e.g. by reducing the effects of UV exposure or aging on skin), to stimulate or preserve elastogenesis in skin, to stimulate or preserve collagenesis in skin, to stimulate or preserve production of elastin and collagen in skin, to reduce the amount of ROS in skin, to improve the appearance of skin, or to reduce the appearance of fine lines, wrinkles, or crepiness in skin. Topical compositions comprising sodium ascorbate and lactoferrin synergistically enhance elastogenesis in skin, while preserving CD44 expression in skin, relative to compositions comprising sodium ascorbate without lactoferrin.

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