

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
22 May 2020 (22.05.2020)



(10) International Publication Number
WO 2020/099925 A3

(51) International Patent Classification:

C07K 7/06 (2006.01) A61P 27/02 (2006.01)
A61K 9/00 (2006.01) A61K 38/00 (2006.01)

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))

(21) International Application Number:

PCT/IB2019/001220

(22) International Filing Date:

14 November 2019 (14.11.2019)

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

25 June 2020 (25.06.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/767,180 14 November 2018 (14.11.2018) US

(71) Applicant: YUYU PHARMA, INC. [KR/KR]; Yuyu Building, 197 Dongho-ro, Jung-gu, Seoul 045-046 (KR).

(72) Inventors: BAIK, Taegon; #1807 Iparkforestgate, 100-3 Jinkwandong Eunpyung Gu, Seoul 03311 (KR). CHOI, Jong-Yun; 406-701 Daewoo Prugio Apartment 13, Sinyul-ro, Seowon-gu, Cheongju-si, Chungcheongbuk-do 28611 (KR). MIN, Gyoung-Wook; 290, Seongbok 2-ro, Suji-gu, Yongin-si, Gyeonggi-do 16805 (KR).

(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, 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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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).

Declarations under Rule 4.17:

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

(54) Title: PEPTIDES AND PHARMACEUTICAL COMPOSITIONS FOR TREATING EYE DISEASES

(57) Abstract: The present invention relates to novel peptides and a pharmaceutical compositions comprising the same. The peptide compounds and compositions disclosed herein are useful as therapeutic agents for treating eye diseases. When administered to the eyes, the peptide compounds and compositions disclosed herein increase the amount of tear secretion and promotes recovery of a damaged cornea.

WO 2020/099925 A3