

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
15 December 2022 (15.12.2022)



(10) International Publication Number
WO 2022/259132 A1

(51) International Patent Classification:

A61K 31/4152 (2006.01) *A61M 1/00* (2006.01)
A61P 9/10 (2006.01) *A61K 9/00* (2006.01)
A61P 27/02 (2006.01)

Published:

- with international search report (Art. 21(3))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE

(21) International Application Number:

PCT/IB2022/055275

(22) International Filing Date:

07 June 2022 (07.06.2022)

(25) Filing Language:

Italian

(26) Publication Language:

English

(30) Priority Data:

102021000015095 09 June 2021 (09.06.2021) IT

(71) Applicant: **FLONEXT S.R.L.** [IT/IT]; Via Andrea Del Castagno 16, 50132 Firenze (FI) (IT).

(72) Inventors: **GEPPETTI, Pierangelo**; Via Pier Capponi 41, 50132 Firenze (IT). **NASSINI, Romina**; Via Anna Maria Enriques Agnoletti, 4, 50141 Firenze (IT). **DE LOGU, Francesco**; Località Ampio snc, 58043 Castiglione della Pescaia (GR) (IT).

(74) Agent: **SANTONICOLA, Paolo**; c/o PGA S.p.A., Via Mascheroni, 31, 20145 Milano (IT).

(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, IQ, 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: PYRAZOLONE COMPOUNDS FOR USE IN DEGENERATIVE RETINAL DISEASES

(57) Abstract: The present invention relates to compounds belonging to the pyrazolone class for use in the prevention and/or treatment of degenerative retinal diseases, in particular in the prevention and/or treatment of macular degeneration. The present invention also relates to a pharmaceutical composition comprising at least one compound belonging to the pyrazolone class, preferably a topical ophthalmic composition, for use in the prevention and/or treatment of degenerative retinal diseases, preferably macular degeneration.

WO 2022/259132 A1