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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
12 June 2014 (12.06.2014)

WIPO | PCT

(10) International Publication Number
WO 2014/087022 A1

(51) International Patent Classification:
A61K 38/17 (2006.01) *A61K 47/34* (2006.01)
A61K 9/00 (2006.01) *A61K 47/36* (2006.01)
A61K 47/10 (2006.01) *A61P 27/02* (2006.01)
A61K 47/26 (2006.01)

(21) International Application Number:
PCT/EP2013/075981

(22) International Filing Date:
9 December 2013 (09.12.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
12196007.4 7 December 2012 (07.12.2012) EP

(71) Applicant: **BRIGHTPULSE HOLDING LTD.** [CY/CY]; 195 Arch Makarios III Ave, Neocleous House, Limassol, 3030 (CY).

(72) Inventors: **COMBETTE, Jean-Marc**; Rue de Terret 515, F-74140 Saint-cergues (FR). **DELOCHE, Catherine**; Avenue William Favre 22, CH-1207 Geneva (CH). **ABADIE, Claire**; 8 Rue des Francs Tireurs, F-74000 Annecy (FR). **MOUZ, Sebastien**; 2757 Route des Vignes, F-74370 Villaz (FR). **PERINO, Julien**; 77bis Avenue de Gavot, F-74500 Evian Les Bains (FR).

(74) Agent: **FIUSSELLO, Francesco**; STUDIO TORTA S.p.A., Via Viotti, 9, I-10121 Torino (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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, 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).

Published:
— *with international search report (Art. 21(3))*
— *with sequence listing part of description (Rule 5.2(a))*

(54) Title: PROTEIN SLURP-1 FOR USE IN THE TREATMENT OF OCULAR DISEASES

```
CLUSTAL 2.1 multiple sequence alignment

Full        MASRWAVQLLLVAAWSMGCGEALKCYTCKEPMTSASCRTITRCKPEDTACMTTLVTVEAE 60
Mature      ----------------------LKCYTCKEPMTSASCRTITRCKPEDTACMTTLVTVEAE 38
                                   ************************************

Full        YFFNQSPVVTRSCSSSCVATDPDSIGAAHLIFCCFRDLCNSEL 103  SEQ ID NO:2
Mature      YFFNQSPVVTRSCSSSCVATDPDSIGAAHLIFCCFRDLCNSEL 81 SEQ ID NO:1
            *********************************************
```

FIG. 1

(57) Abstract: The present invention relates to a protein comprising SEQ ID NO:1 (mature form of SLURP-1) and to a composition comprising the same for use in inducing or accelerating cicatrisation, and/or in preventing infection in the eye of a subject.

WO 2014/087022 A1