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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
19 May 2023 (19.05.2023)

WIPO | PCT

(10) International Publication Number
WO 2023/081974 A1

(51) International Patent Classification:
*A61K 31/19* (2006.01) *A61P 31/04* (2006.01)

(21) International Application Number:
PCT/AU2022/051347

(22) International Filing Date:
11 November 2022 (11.11.2022)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2021903639 12 November 2021 (12.11.2021) AU

(71) Applicant: **NEOLIXIR PTY LTD** [AU/AU]; 22 Stirling Highway, Nedlands, Western Australia 6009 (AU).

(72) Inventors: **FONCECA, Angela**; 12 Phillip Way, Osborne Park, Western Australia 6017 (AU). **DITCHAM, Will**; 184a Clontarf Road, Hamilton Hill, Western Australia 6163 (AU). **FLEMATTI, Gavin**; 9 Clemros Way, Leeming, Western Australia 6149 (AU). **EVERARD, Mark**; Lane End Farm Abney, Hope Valley, Derbyshire S32 1AH (GB). **BARKER, Andrew**; 12 Woodley Crescent, Melville, Western Australia 6156 (AU).

(74) Agent: **WRAYS PTY LTD**; Level 7, 863 Hay Street, Perth, Western Australia 6000 (AU).

(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, 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, 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, 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).

**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*

WO 2023/081974 A1

(54) Title: METHODS FOR BIOFILM DISRUPTION

(57) Abstract: A composition for disrupting a biofilm, said composition comprising a 2-hydroxycarboxylic acid.