



(51) International Patent Classification:

C07D 487/22 (2006.01) A61K 31/41 (2006.01)
A61P 35/00 (2006.01)

(21) International Application Number:

PCT/EP2021/083253

(22) International Filing Date:

26 November 2021 (26.11.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

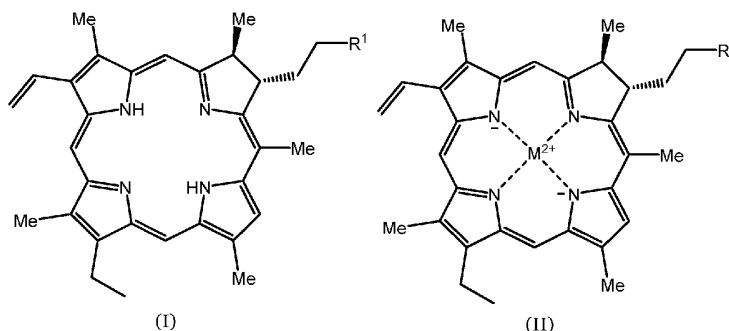
2018667.2 26 November 2020 (26.11.2020) GB

(71) Applicant: **RMW CHO GROUP LIMITED** [CN/CN];
Room 707, 7/F, VANTA INDUSTRIAL CENTRE, 21-33
TAI LIN PAI ROAD, KWAI CHUNG, NT, Hong Kong
(CN).(71) Applicant (for MG only): **VENNER SHIPLEY LLP**
[GB/GB]; Byron House, Cambridge Business Park, Cowley
Road, Cambridge Cambridgeshire CB4 0WZ (GB).(72) Inventors: **CHO, Honsue**; Kew East, Melbourne, Vic-
toria 3102 (AU). **STEPHENS, Andrew N.**; Knoxfield,
Melbourne, Victoria 3180 (AU). **MARCUCCIO, Sebast-
ian M.**; Endeavour Hills, Melbourne, Victoria 3802 (AU).
DONNER, Christopher D.; Coburg, Melbourne, Victo-
ria 3058 (AU). **STOCKTON, Kieran P.**; Rowville, Mel-
bourne, Victoria 3178 (AU). **SKENE, Colin**; Glen Waver-ly, Melbourne, Victoria 3150 (AU). **FABER, Jonathan**;
Wantirna South, Melbourne, Victoria 3152 (AU).(74) Agent: **ELEND, Almut** et al.; Venner Shipley LLP, By-
ron House, Cambridge Business Park, Cowley Road, Cam-
bridge Cambridgeshire CB4 0WZ (GB).(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, IT, 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).

Published:

— with international search report (Art. 21(3))

(54) Title: PHOTODYNAMIC THERAPY AND DIAGNOSIS



(57) Abstract: The present invention relates to phyllochlorin analogues and their pharmaceutically acceptable salts, and compositions comprising phyllochlorin analogues and their pharmaceutically acceptable salts. Phyllochlorin analogues and pharmaceutically acceptable salts thereof are suitable for use in photodynamic therapy, cytoluminescent therapy and photodynamic diagnosis, for example, for treating or detecting a tumour, or for antiviral treatment. The present invention also relates to the use of phyllochlorin analogues and pharmaceutically acceptable salts thereof in the manufacture of a phototherapeutic or photodiagnostic agent, and to a method of photodynamic therapy, cytoluminescent therapy or photodynamic diagnosis, for example, for treating or detecting a tumour, or for antiviral treatment.