

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 August 2010 (05.08.2010)

(10) International Publication Number
WO 2010/086667 A2

(51) International Patent Classification: Not classified
(21) International Application Number: PCT/GB2010/050146
(22) International Filing Date: 29 January 2010 (29.01.2010)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data: 0901465.5 29 January 2009 (29.01.2009) GB

(71) Applicants (for all designated States except US): **BANGOR UNIVERSITY** [GB/GB]; Bangor, Gwynedd LL57 2UW (GB). **GHENT UNIVERSITY** [BE/BE]; Sint-Pietersnieuwstraat 25, B-9000 Ghent (BE).

(72) Inventors; and
(75) Inventors/Applicants (for US only): **BAIRD, Mark Stephen** [GB/GB]; School of Chemistry, Bangor University, Bangor, Gwynedd LL57 2DG (GB). **AL-DULAYYMI, Juma' a Raheem Najeem** [GB/GB]; School of Chemistry, Bangor University, Bangor, Gwynedd LL57 2DG (GB). **GROOTEN, Johan Adriaan Marc** [BE/BE]; Department of Biomedical Molecular Biology, Ghent University, Technolgiepark 927 Zwijnaarde, Zwijnaarde, B-9052 Ghent (BE). **VANDER BEKEN, Seppe** [BE/BE]; Department of Biomedical Molecular Biology,

Ghent University, Technolgiepark 927 Zwijnaarde, Zwijnaarde, B-9052 Ghent (BE). **MAZA-INGLESIAS, Maximilliano** [ES/GB]; School of Chemistry, Bangor University, Bangor, Gwynedd LL57 2DG (GB).

(74) Agent: **DELANEY, Jennifer Sarah**; Appleyard Lees, 15 Clare Road, Halifax, Halifax Yorkshire HX1 2HY (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, 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, IS, JP, KE, KG, KM, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHOD AND COMPOSITIONS

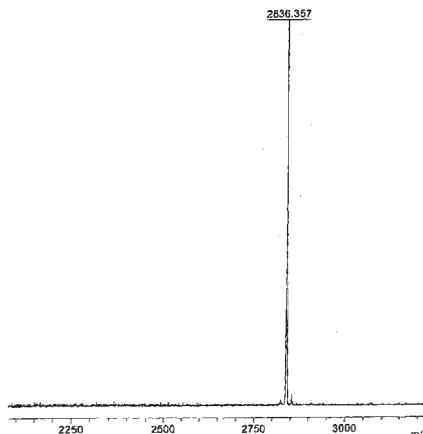
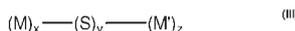


Figure 3

(57) Abstract: A method of preparing a compound of formula (III); wherein x is from 1 to 6, y is from 1 to 12, z is from 0 to 10, each M and each M' is independently a mycolic acid residue including a β -hydroxy acid moiety and each S is a monosaccharide unit; the method comprising reacting one or more mycolic acids with one or more saccharide units wherein the hydroxyl group of each β -hydroxy acid moiety is protected prior to reaction with the one or more saccharide units.

WO 2010/086667 A2