

Title (en)
SUBSTITUTED ALPHA-LINKED DISACCHARIDES

Title (de)
SUBSTITUIERTE ALPHA-VERKNÜPFTE DISACCHARIDE

Title (fr)
DISACCHARIDES A LIAISON ALPHA NON SUBSTITUES

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Abstract (en)
[origin: WO0042052A1] A disaccharide compound having formula (I); wherein R₂Y₂Y₁ is bounded to a ring carbon atom adjacent to the alpha glycosidic linkage; W₁, W₂, W₃ and W₄ are independently O, NH or S; R₈ is hydrogen, hydroxyl or a hydroxyl protecting group; k, m, n, p and r are independently 0 or 1; X₁ is a single bond, O, NR₉ or S; X₂ is O, NR₁₂, S, C(O)O, C(O)S, C(S)O, C(S)S, C(NR₁₂)O or C(O)NR₁₂; Y₁ is a single bond, O, NR₁₀ or S; Y₂ is O, NR₁₃, S, C(O)O, C(O)S, C(S)O, C(S)S, C(NR₁₃)O or C(O)NR₁₃; Z₁ is a single bond, O, NR₁₁ or S; Z₂ is O, NR₁₄, S, C(O)O, C(O)S, C(S)O, C(S)S, C(NR₁₄)O or C(O)NR₁₄. A method for preparing the disaccharide compound via an activated anomeric sulfoxide glycosylation reaction. A chemical library comprising the compounds of this invention. A method of treating bacterial infections with the compound.

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