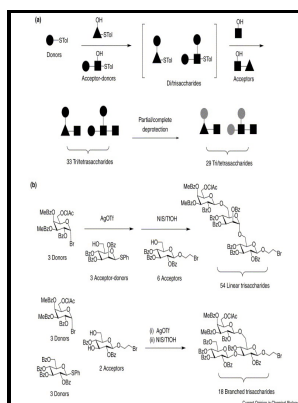


Synthesis of branched combinatorial carbohydrate libraries

University of Birmingham - SOLID SUPPORT OLIGOSACCHARIDE SYNTHESIS AND COMBINATORIAL CARBOHYDRATE LIBRARIES 2001 Edition, 9780471378280, Peter H. Seeberger, John Wiley



Description: -

-synthesis of branched combinatorial carbohydrate libraries

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Automated synthesis of oligosaccharides as a basis for drug discovery

Synthesis and use of glycosyl phosphates as glycosyl donors. All of the compounds tested inhibited binding of heat-labile enterotoxin to ganglioside G D1b by at least 20%, except for the compounds of Examples A2, A5, A7, C10, D2 and G2, which did not inhibit binding by at least 20% at the concentration employed in the assay. In the third and fourth cycles, 27 tripeptides and 81 tetrapeptides would form, respectively.

Solid

Selected nmr data was as follows: 1 H-nmr CD 3 OD : δ 4. The lauroyl groups are removed from compound 5 by contacting 5 with an excess of sodium methoxide in methanol and an inert diluent, such as dichloromethane, at about 25° C. Oligosaccharide microarrays for high throughput detection and specificity assignments of carbohydrate-protein interactions.

Synthesis of a branched glycopeptide derivative containing terminal D

Example D1 Synthesis of 2- 2-Carboxybenzamido cyclopent-1-yl 1-Thio- β -D-galactopyranoside The title compound was prepared according to procedures D, F, G and L above using 2-chlorocyclopentan-1-one as the electrophile.

Domino reactions for library synthesis of small molecules in combinatorial chemistry

Orthogonal geschützte Zuckerdiaminosäuren als Bausteine für lineare und verzweigte Oligosaccharidmimetika. After incubating for 2 h at 37° C.

Automated synthesis of oligosaccharides as a basis for drug discovery

Patients were immunized with synthetic carbohydrate vaccines to produce antibodies reactive against cancer cells. Binding of these enzymes to the

aminoglycosides correlated well with an earlier calorimetric study of binding affinity.

Carbohydrate

Toward automated synthesis of oligosaccharides and glycoproteins.

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