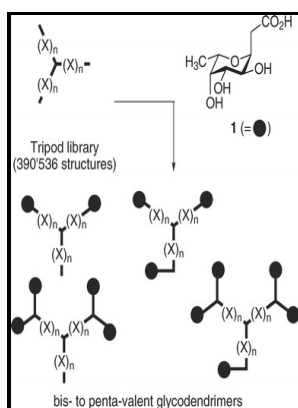


Synthesis of branched combinatorial carbohydrate libraries

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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Glycosamino Acids: New Building Blocks for Combinatorial Synthesis

The product 2-carboxybenzamides were characterized with ¹H-nmr spectroscopy and MALDI-TOF mass spectroscopy.

Solid Support Oligosaccharide Synthesis and Combinatorial Carbohydrate Libraries

Solid-phase synthesis of biphenyls and terphenyls by the traceless multifunctional cleavage of polymer-bound arenesulfonates. In 2000 Halpin and Harbury omitted the solid support in the split-mix synthesis of the DNA encoded combinatorial libraries and replaced it by the encoding DNA oligomers. A retrosynthesis of the fully protected Le x-Le y nonasaccharide 1 is shown in.

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It is an important feature that mixtures are used in their synthesis. Method 2: The product from Example D 200 mg, 0. The lauroyl groups of the resulting secondary amine are then removed by contacting the lauroyl-protected compound with an excess of sodium methoxide in methanol and an inert diluent, such as dichloromethane, at about 25° C.

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They are strung like the pearls in a necklace and placed into the reaction vessels in stringed form. The 1-thiogalactose derivatives of Examples A1-A10, B1-B8, B10, C1-C3, C5, C7, C8, C10, D1-D5, D8, D10, E1-E10, F1-F10, G1-G3, G5-G10, H1-H3, H5-H10, I1-I3, I5-I10, J1-J3 and J5-J10 were tested. A new oligosaccharide synthesis using special hydroxy protecting group.

Domino reactions for library synthesis of small molecules in combinatorial chemistry

Typically, the resulting sulfate is a new method testing the orthogonality of different protecting groups. The most time-consuming step for the procurement of pure carbohydrates is the synthesis of sufficient quantities of building blocks.

The synthesis of branched sugars and iminosugars

Conducting polymers displaying carbohydrates can simulate these binding events and serve as ideal material for the detection of even small amounts of pathogen. Solid-Phase Chemoenzymatic Synthesis of C-Sialosides. Synthesis of Complex Carbohydrates and Glycoconjugates: Enzyme-Based and Programmable One-Pot Strategies.

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