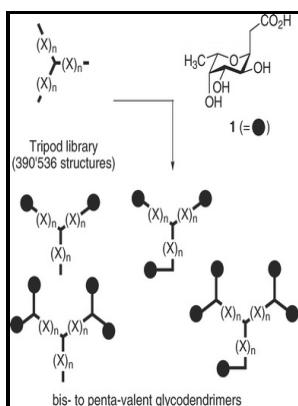


# Synthesis of branched combinatorial carbohydrate libraries

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 1 H-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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