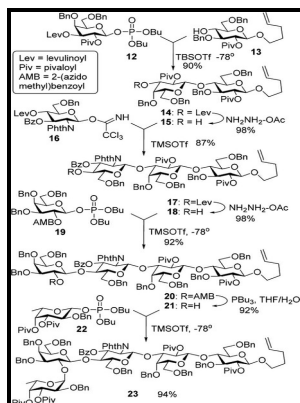


# Synthesis of branched combinatorial carbohydrate libraries

University of Birmingham - Combinatorial synthesis of carbohydrates



Description: -

-synthesis of branched combinatorial carbohydrate libraries

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Notes: Thesis (M.Phil) - University of Birmingham, School of Chemistry, Faculty of Science, 1998.

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## SOLID SUPPORT OLIGOSACCHARIDE SYNTHESIS AND COMBINATORIAL CARBOHYDRATE LIBRARIES

Excess reagents can simply be washed away without the need for additional purification steps such as.

### New method for producing 'libraries' of important carbohydrate molecules

Google has not performed a legal analysis and makes no representation as to the accuracy of the status listed. Such cycloalkyl groups include, by way of example, single ring structures such as cyclopropyl, cyclobutyl, cyclopentyl, cyclooctyl, 1-methylcyclopropyl, 2-methylcyclopentyl, 2-methylcyclooctyl, and the like, or multiple ring structures such as adamantanyl and the like, and spiro compounds.

### New method for producing 'libraries' of important carbohydrate molecules

Mass spectra data was as follows: M calcd.

### Domino reactions for library synthesis of small molecules in combinatorial chemistry

Journal Molecular Diversity — Springer Journals Published: Sep 22, 2004 Syntheses of model oligosaccharides of biological significance. Selected nmr data was as follows: 1 H-nmr CD 3 OD :  $\delta$  5.

### The synthesis of branched sugars and iminosugars

Journal of the American Chemical Society 1997, 119 16 , 3696-3708. Cell adhesion on the arrays can be readily visualized using cell-permeable fluorescent dyes to stain the cells' nucleic acids. This highly efficient procedure and the successful use of a manual synthesizer should lead to more advances in instrumentation.

### Automated synthesis of oligosaccharides as a basis for drug discovery

These three steps comprise a cycle. Until recently the identification of specific carbohydrate sequences responsible for a particular interaction had been hampered greatly by the unavailability of generally applicable sequencing methods.

### **Domino reactions for library synthesis of small molecules in combinatorial chemistry**

Gold-catalyzed glycosidations: synthesis of 1,6-anhydro saccharides. Current malaria treatments are often impractical, and drug resistance is a growing problem. Selected nmr data was as follows:  $^1\text{H-NMR}$  CD 3 OD :  $\delta$  4.

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