DESCRIPTION

Carbohydrate Research publishes outstanding and timely research reports on molecular aspects of carbohydrate chemistry, biochemistry, chemical biology and glycobiology.

Areas of interest include:

- Sugars, glycosides and their derivatives; oligo- and poly-saccharides; glycoconjugates
- Chemical and enzymatic synthesis of carbohydrate-containing molecules.
- Isolation and structural characterization of novel carbohydrate-containing molecules
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- Analytical chemistry and biochemistry, including molecular probes
- Studies of carbohydrate-processing, including enzyme action, mechanism and inhibition
- Glycobiology, glycan metabolism and biosynthesis
- Glycomics and glycoinformatics
- Molecular aspects of glycoimmunoochemistry
- Molecular aspects of glyconanoparticles and carbohydrate materials

The journal includes full-length research papers, reviews and notes, all of which are subjected to rigorous peer review prior to acceptance.

The editors have compiled a selection of articles, which reflect the redefined scope of Carbohydrate Research - we invite you to view the selection here and download the articles for free for a limited time.

AUDIENCE

Chemists, Biologists, Biochemists and Medical Researchers/Scientists involved in studies of molecular aspects of glycoscience.

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INTRODUCTION

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Title Compounds

3.1.1. Methyl 6-O-tert-butyldimethylsilyl-β-D-allopyranoside (4).

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If there are published physical constants (mp, [α]D, λmax, etc.) for the compound these should be cited, using the following format:

...allyl 2-acetamido-2-deoxy-[α]-L-glucopyranoside (1α): mp 175176 C, lit.6 172174 C; [α]D25 +155 (c 1.43, water), lit.6 +149; 1H NMR...

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Additional conventions used in describing higher order data include, for example, the designation of peaks in COSY spectra: Man H-1,2; HOHAHA tracking: GlcNAc H-2,3,4,5,6a,6b etc.; NOE contacts: Glc H-1, Xyl H-4,5e, etc. For designating resonances in oligosaccharides, the sugar units should be numbered with Roman numerals I, II, III, etc. beginning at the reducing(upstream) end of the molecule. (See IUPAC Nomenclature for Carbohydrates, 2-CARB-37.2.)The individual resonances are numbered with Roman numeral superscripts as, for example, the following: H-3I, H-3II, H-3 III.

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**Elemental analysis data**

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