

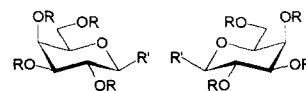
Enantiomer separation of permethylated monosaccharides and 1,5-anhydroalditols and simultaneous determination of linkage positions and absolute configuration in the galactan of *Helix pomatia*

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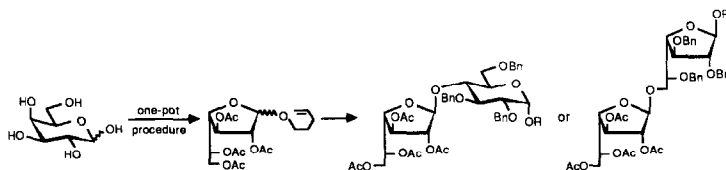
The enantiomers of permethylated monosaccharides and 1,5-anhydroalditols were resolved by enantioselective GLC using modified cyclodextrin as chiral stationary phase. The 1,5-anhydro D- and L-galactitols obtained from the permethylated galactan from *Helix pomatia* could be separated, allowing the simultaneous determination of linkage position and absolute configuration of galactose residues in snail galactan.



A convenient synthesis of disaccharides containing furanoside units

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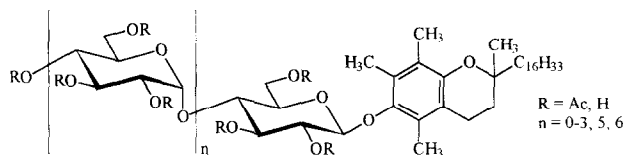


Synthesis of α -tocopheryl oligosaccharides

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α -Tocopheryl alto-oligosaccharides were prepared as antioxidants water soluble.



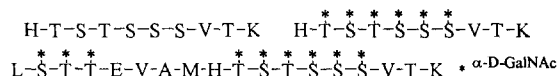
Synthesis and characterisation of highly glycosylated glycopeptides with Tⁿ-antigenic structures corresponding to human glycoporphin A^N

Gunther Klich ^a, Hans Paulsen ^{a,*}, Bernd Meyer ^a, Morten Meldal ^b, Klaus Bock ^b

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Two highly glycosylated glycopeptides corresponding to the human glycoporphin A^N with Tⁿ-antigenic structures were synthesised. The solid phase synthesis was realised by using carbohydrate containing building blocks. The synthesised substances were characterised by NMR spectroscopic techniques.



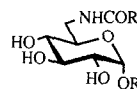
Synthesis and surface-active properties of amphiphilic 6-aminocarbonyl derivatives of D-glucose

Valérie Maunier ^a, Paul Boullanger ^{a,*}, Dominique Lafont ^a, Yves Chevalier ^b

^a Laboratoire de Chimie Organique 2 (U.M.R. 5622 du C.N.R.S.), Université de Lyon 1, Ecole Supérieure de Chimie Physique Electronique de Lyon, 43 Bd du 11 Novembre 1918, F-69622 Villeurbanne, France

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Several 6-amido-6-deoxy derivatives of methyl α -D-glucopyranoside and D-glucopyranose were prepared from 6-azido-6-deoxy intermediates. The Staudinger reaction (PPh_3 , carboxylic acid or acid chloride) or the addition of *n*-heptanol on the 6-deoxy-6-isocyano derivatives, obtained from the 6-azido analogues, completed the synthesis. The Krafft temperatures and surfactant properties of these compounds are reported.

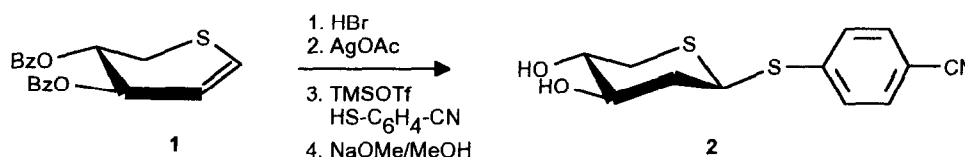


Synthesis of 4-cyanophenyl 2-deoxy-1,5-dithio- β -D-threo-pentopyranoside

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5-Thio-D-xylose was converted via its 1-ene derivative **1** into the title compound **2** possessing oral antithrombotic activity.



Chemoenzymatic synthesis of the Thomsen–Friedenreich antigen determinant

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