

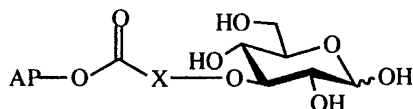
Synthesis and anti-HIV activity of glucose-containing prodrugs derived from saquinavir, indinavir and nelfinavir

Carbohydr. Res. **2001**, 336, 161

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AP (HIV antiprotease) = Saquinavir, Indinavir, Nelfinavir
X = (CH₂)₂C(O); CH₂; (CH₂)₄; NH(CH₂)₄

Syntheses and interfacial behaviour of neoglycolipid analogues of glycosyl ceramides

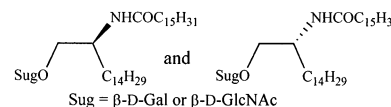
Carbohydr. Res. **2001**, 336, 181

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The neoglycolipids were synthesised by glycosylation of the appropriate chiral acceptors and the air | water behaviour was studied by Langmuir monolayer techniques.



Antibodies with specificities for D-xylose and for D-galacturonic acid residues of flaxseed polysaccharides

Carbohydr. Res. **2001**, 336, 195

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Immunodeterminants: D-Xyl-(1 → 4)- or D-GalA-(1 → 2)-polysaccharides

Isolation and structural analyses of positional isomers of 6¹,6ⁿ-di-O-(N-acetyl-β-D-glucosaminy)cyclomaltoheptaose (n = 2, 3, and 4) and 6-O-[6-O-(N-acetyl-β-D-glucosaminy)-N-acetyl-β-D-glucosaminy]cyclomaltoheptaose

Carbohydr. Res. **2001**, 336, 203

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6-O-[6-O-(N-acetyl-β-D-glucosaminy)-N-acetyl-β-D-glucosaminy]cyclomaltoheptaose (βCD) and three positional isomers of 6¹,6ⁿ-di-O-(N-acetyl-β-D-glucosaminy)cyclomaltoheptaose (n = 2, 3, and 4) were isolated by HPLC. These structures were elucidated by NMR spectroscopy and by enzymatic degradation.

Structural analyses of the lipopolysaccharides from *Chlamydomphila psittaci* strain 6BC and *Chlamydomphila pneumoniae* strain Kajaani 6

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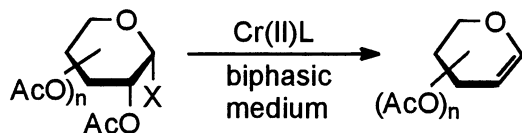
A Kdo trisaccharide with a structure α -Kdo-(2 $\rightarrow$ 8)- α -Kdo-(2 $\rightarrow$ 4)- α -Kdo is the main component of the core regions of lipopolysaccharides (LPSs) from *Chlamydomphila psittaci* 6BC and *Chlamydomphila pneumoniae* Kajaani 6. Only quantitative differences were found in the fatty acid composition of the investigated LPSs.

Preparation of acetylated pyranoid glycols from glycosyl halides by chromium(II) complexes under aqueous biphasic conditions

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X = Cl, Br; L = EDTA, NTA, IDA

Biphasic medium: H₂O–Et₂O; H₂O–EtOAc;
halosugar–H₂O

9 examples, yields: 75–97 %

Synthesis of an L-rhamnose tetrasaccharide, the common and major structure of the repeating unit of the O-antigenic polysaccharide of a strain of *Klebsiella pneumoniae* and *Pseudomonas holci*

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The L-rhamnose tetrasaccharide, α -L-Rhap-(1 $\rightarrow$ 3)- α -L-Rhap-(1 $\rightarrow$ 2)- α -L-Rhap-(1 $\rightarrow$ 2)-L-Rhap, was synthesized as its methyl and octyl glycoside by a regio- and stereoselective manner.

NMR-based identification of cell wall anionic polymers of *Spirilliplanes yamanashiensis* VKM Ac-1993^T

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6)- α -GlcPNAc- or 6)- β -GlcP-(1 $\rightarrow$ 2)-*sn*Gro-3-*P*-(O $\rightarrow$; 1)-[α GlcPNAc-(1 $\rightarrow$ 2)]-*sn*Gro-3-*P*-(O $\rightarrow$; 6)-[α -Man3Me-(1 $\rightarrow$ 3)]- α -GlcPNAc-(1 $\rightarrow$ 6)- α -GlcPNAc-1-*P*-(O $\rightarrow$