

The core structure of the lipopolysaccharide from the causative agent of plague, *Yersinia pestis*

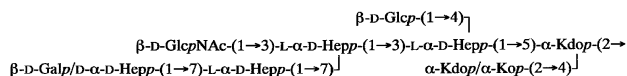
Carbohydr. Res. **2002**, *337*, 775

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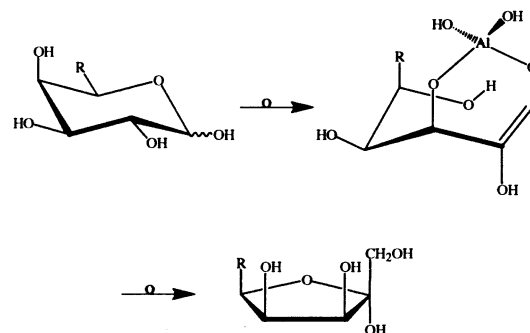


Base catalysed isomerisation of aldoses of the *arabino* and *lyxo* series in the presence of aluminate

Carbohydr. Res. **2002**, *337*, 779

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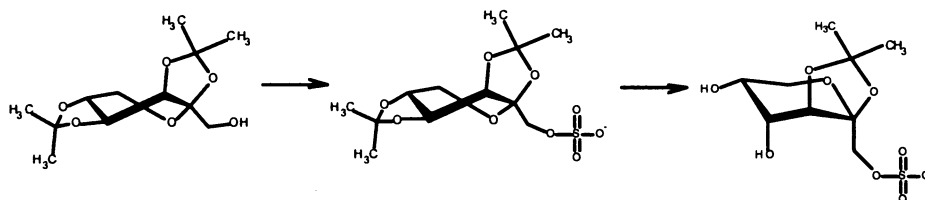


Synthesis and X-ray structures of sulfate esters of fructose and its isopropylidene derivatives. Part 1: 2,3:4,5-di-*O*-isopropylidene- β -D-fructopyranose 1-sulfate and 4,5-*O*-isopropylidene- β -D-fructopyranose 1-sulfate

Carbohydr. Res. **2002**, *337*, 787

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Studies on the glycosylation of wild-type and mutant forms of *Aspergillus Niger* pectin methylesterase

Carbohydr. Res. **2002**, *337*, 803

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Pectin methylesterase is involved in the degradation of plant cell walls. Here we investigate the glycans present on recombinant wild-type PME and in a series of PME mutants. The effect of the glycosylation of PME activity was also studied.

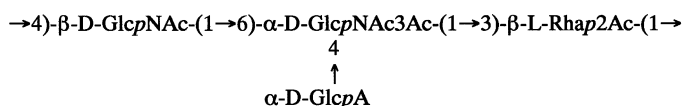
Carbohydr. Res. **2002**, 337, 813

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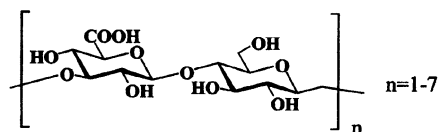


Carbohydr. Res. **2002**, 337, 819

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Carbohydr. Res. **2002**, 337, 827

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The structural relaxation of vitreous starchy materials was examined using a range of techniques, and modelled using approaches developed for synthetic polymers.

Carbohydr. Res. **2002**, 337, 835

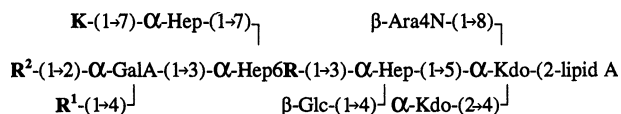
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where **R** is *P*EtN or H, **R**¹ is α -GalN in strains 12 and 13, β -GlcNAc-(1 $\rightarrow$ 4)- α -GlcN- in strains 37 and 44, **R**² is α -Hep-(1 $\rightarrow$ 2)- α -DDHep- in all strains, α -DDHep- in a variant structure in strain 12, H in minor variant of strain 13.

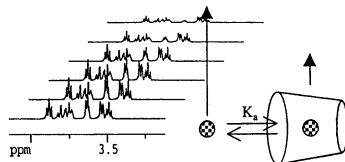
K is H or amide of β -GalA with putrescine or spermidine.



NMR diffusion as a novel tool for measuring the association constant between cyclodextrin and guest molecules

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The crystal structure of the α -cellobiose $\cdot$ 2 NaI $\cdot$ 2 H₂O complex in the context of related structures and conformational analysis

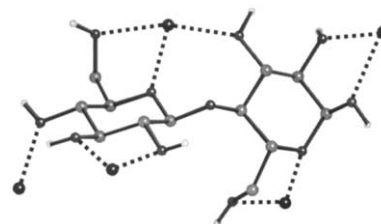
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Synthesis and intramolecular transesterifications of pivaloylated methyl α -D-galactopyranosides

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Selective pivaloylations of methyl α -D-galactopyranoside have been studied under various reaction conditions. Both, 2,6- and 3,6- dipivalates underwent intramolecular cyclization in neutral conditions to give a stable 2,3-orthoacid with a parallel 6 $\rightarrow$ 4 migration of the pivaloyl group.

Structure of the O-specific polysaccharide of the lipopolysaccharide of *Azospirillum brasilense* Sp245

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