

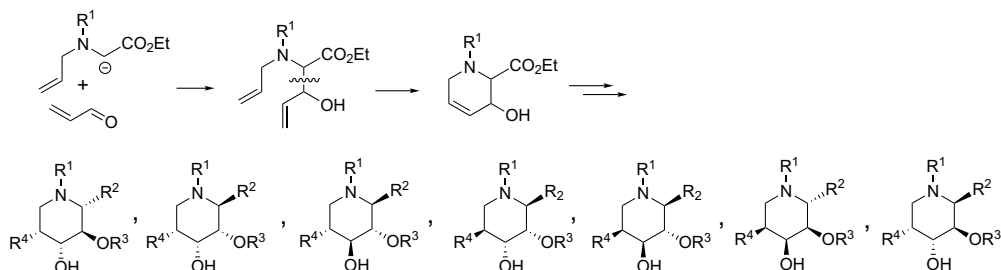
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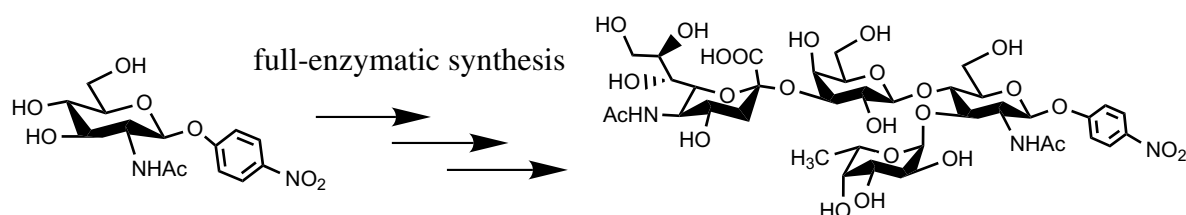
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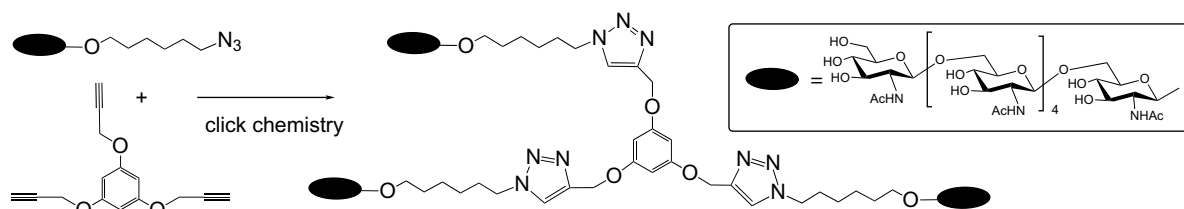
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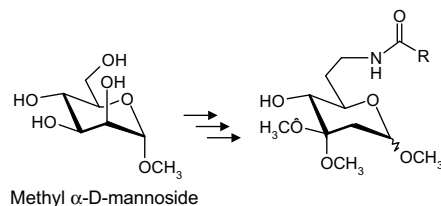
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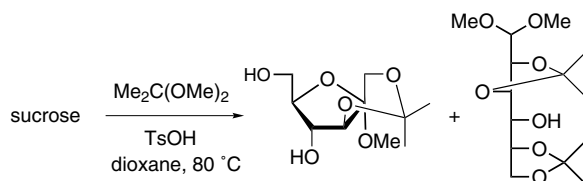
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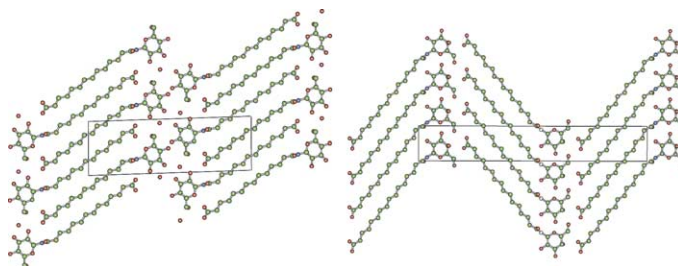
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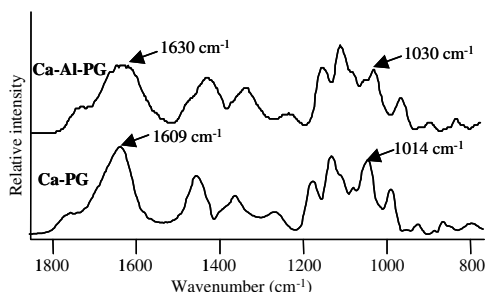
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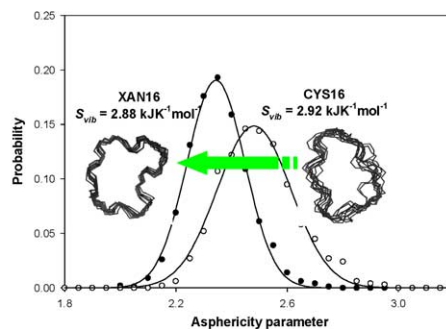
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$$\mathbf{R} = [\alpha\text{-D-Rha}(1\rightarrow3)] \text{ or H}$$

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The diagram illustrates the entropic regulation of the Cys16 to Xan16 mutation. It shows a polymer chain with a central Cys16-Xan16 mutation site. The Cys16 residue is highlighted in blue, and the Xan16 residue is highlighted in red. The mutation is labeled 'CYS16' and 'XAN16'. The diagram also shows the 'β-(1→2)-glycosidic linkage' and 'α-(1→6)-glycosidic linkage'.

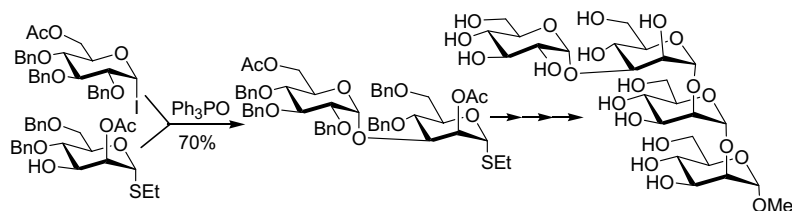


NOTES

Synthesis of the tetrasaccharide α -D-Glcp-(1 $\rightarrow$ 3)- α -D-Manp-(1 $\rightarrow$ 2)- α -D-Manp-(1 $\rightarrow$ 2)- α -D-Manp recognized by Calreticulin/Calnexin

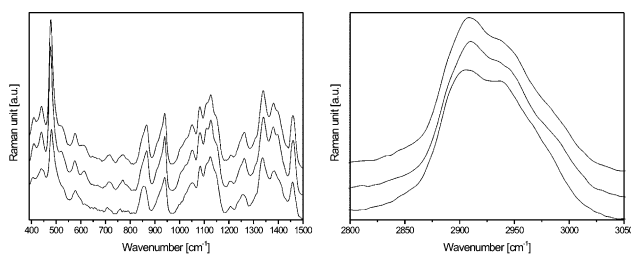
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**Studies of the retrogradation process for various starch gels using Raman spectroscopy**

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**The evidence for an anomeric effect of the proton**

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The 2p lone-pair orbital of the oxygen atom in oxane is delocalized into the adjacent axial C–H bond.

*Corresponding author

† Supplementary data available via ScienceDirect

COVER

Model of blood group A trisaccharide in the binding site of the *Dolichos biflorus* lectin as established by a combination of theoretical and experimental approaches. Molecular modeling of the oligosaccharide demonstrated that two different conformations could be adopted by the trisaccharide in the binding site. NMR experiments using transferred nuclear Overhauser effects (TRNOE) displayed intermolecular contacts (blue arrows) corresponding to only one of the two theoretical conformations. This work is a collaboration between Anne Imberty (CERMAV, Grenoble) and Thomas Peters (University of Lübeck) and was presented during the XXIInd International Carbohydrate Symposium (Glasgow, 2004) on the occasion of the Whistler award.

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