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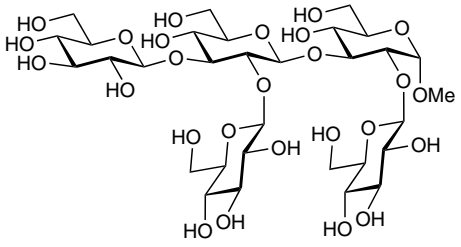
Carbohydrate
RESEARCH

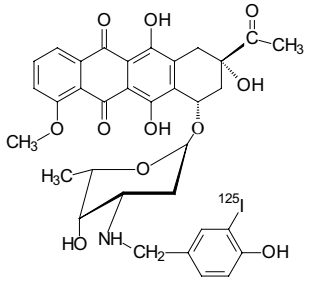
Carbohydrate Research Vol. 340, No. 1, 2005

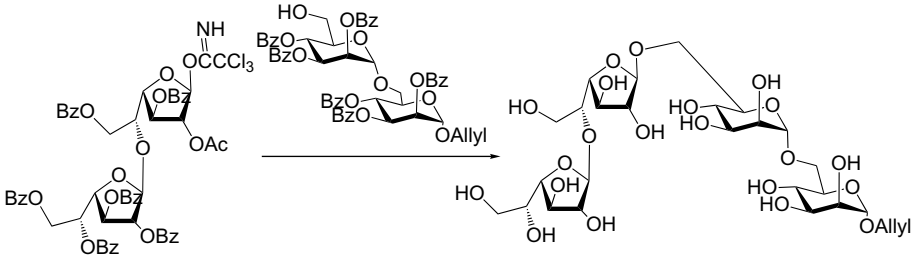
Contents

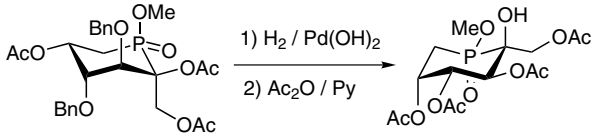
RAPID COMMUNICATION

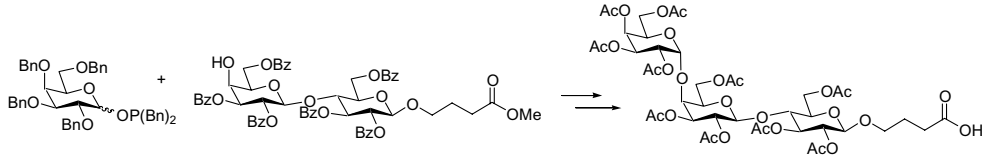


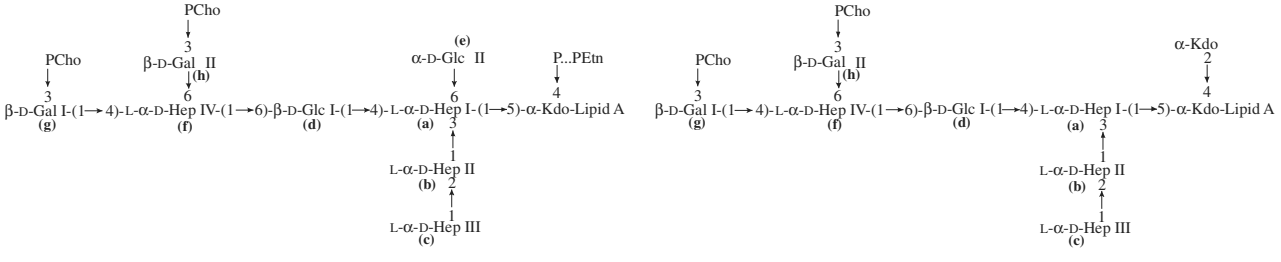
FULL PAPERS

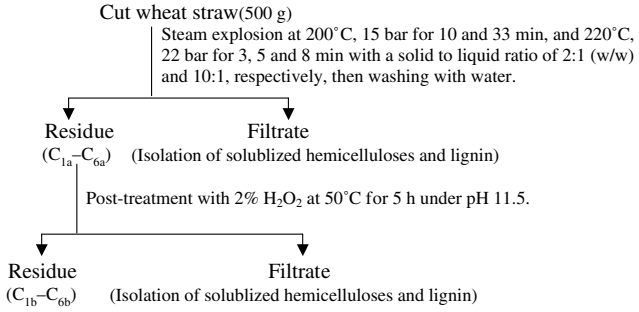






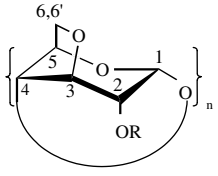




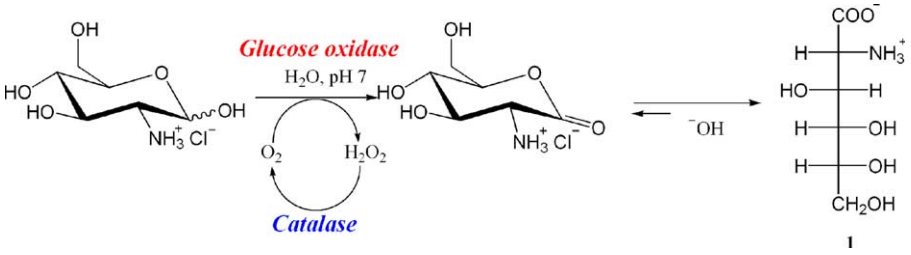


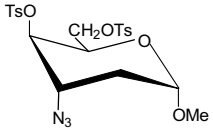
The equilibrium solubilities of A- and B-type crystals of short chain amylose are measured and their solubility behaviour compared with the gelatinisation of native granular starches.

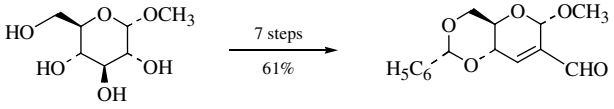
Both the pectin and pectic arabinogalactan induced chemotaxis on human macrophages, T cells and NK cells. Only the pectic arabinogalactan showed high-complement fixation activity and T cell independent induction of B cell proliferation. *exo*-β-D-galactanase and *exo*-α-L-arabinofuranosidase digestion did not change the complement fixation activity.

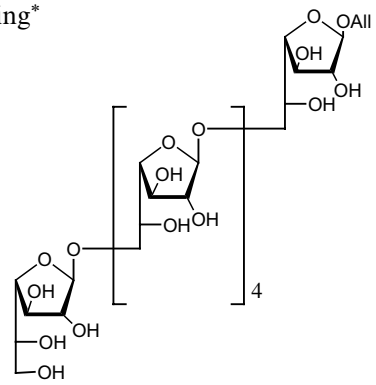


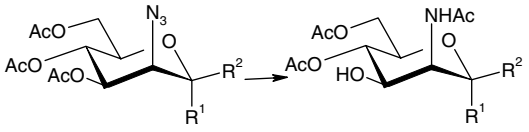
NOTES











β-L-Rha*p*-(1→4)
|
→3)-α-D-Glc*p*NAc-(1-*P*→6)-α-D-Glc*p*-(1→2)-β-D-Glc*p*-(1→3)-β-D-Glc*p*NAc-(1→

OTHER CONTENTS

*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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