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Carbohydrate
RESEARCH

Carbohydrate Research Vol. 340, No. 7, 2005

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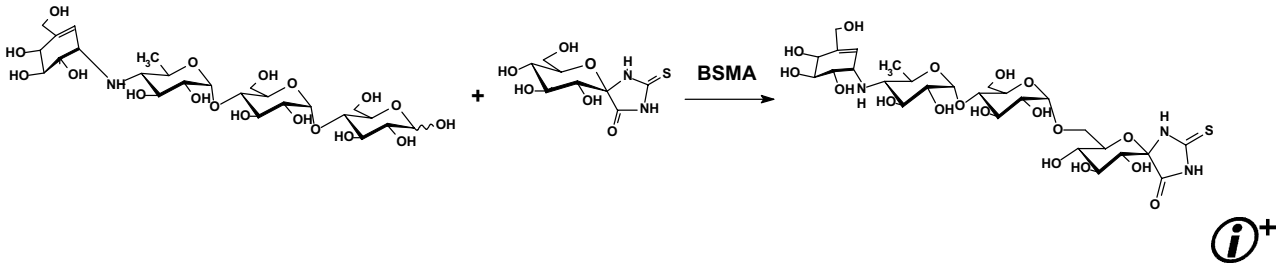
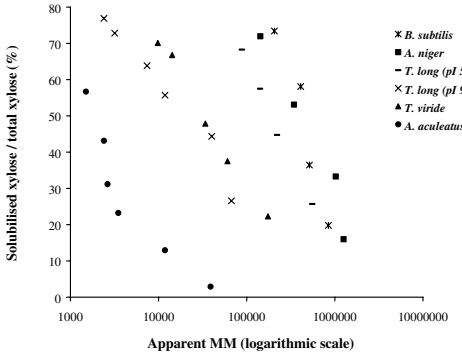
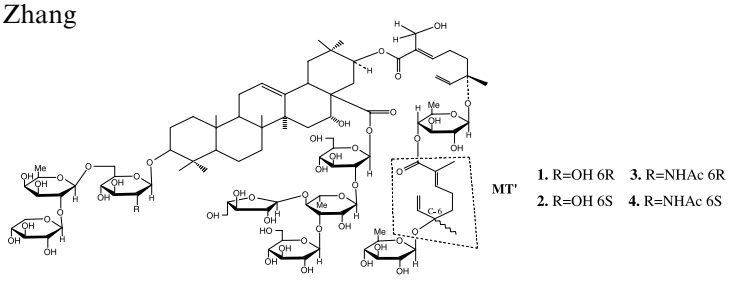
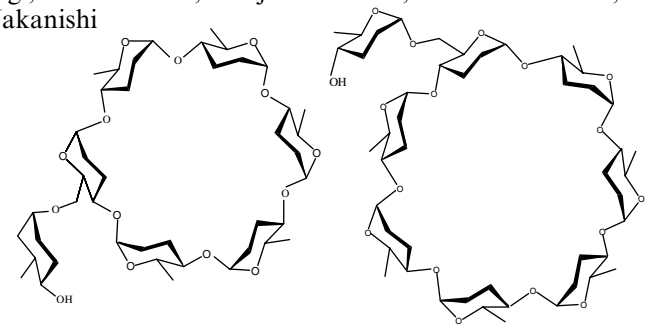
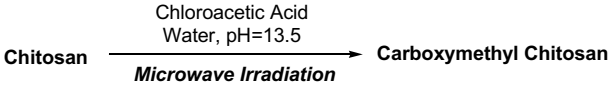
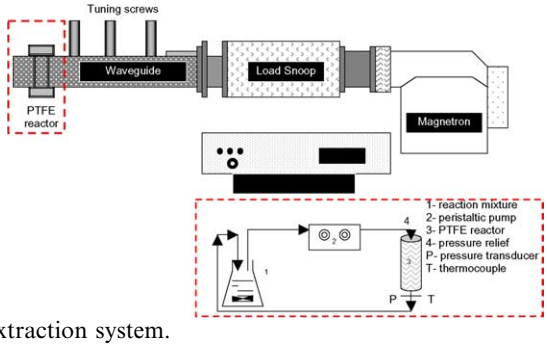




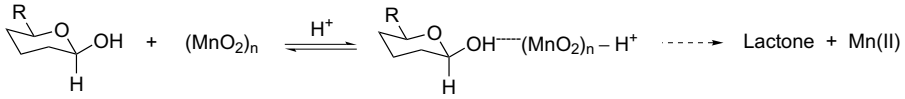




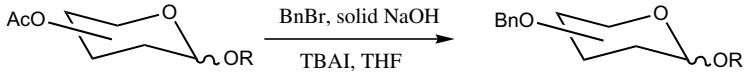


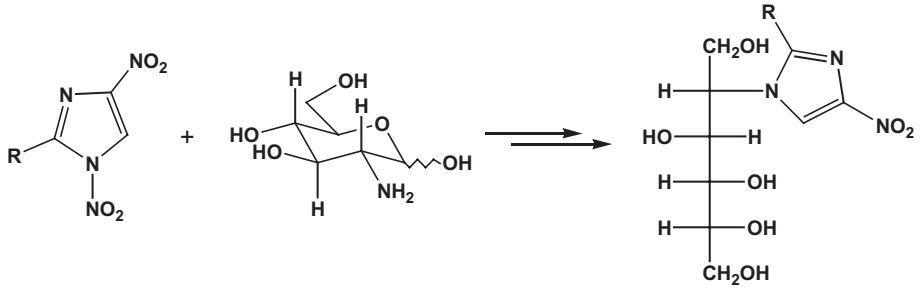


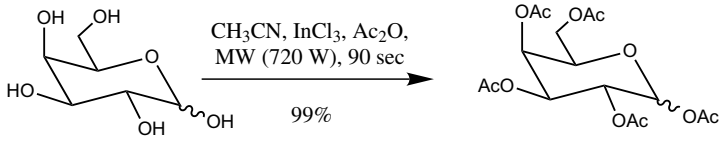
Schematic illustration of microwave extraction system.

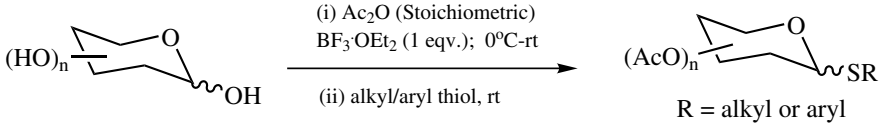


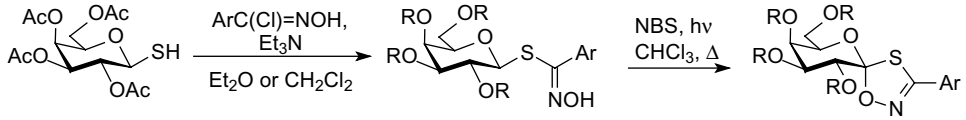
NOTES





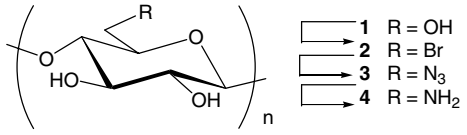




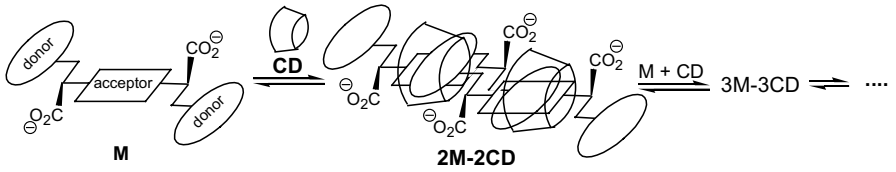


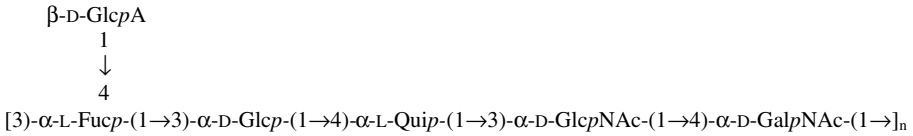
Ar = C_6H_5–, 4-Br-C_6H_4–, 4-MeO-C_6H_4–, 2-naphthyl R = Ac → H

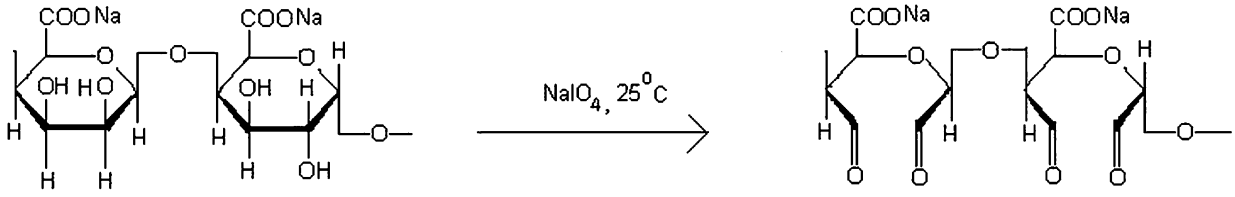
Inhibition constants were found to be in the millimolar range.



[3)-β-D-Gal*p*A6(L-Ser)-(1→3)-β-D-Glc*p*NAc-(1→2)-α-D-Rha*p*4NAc-(1→4)-β-D-Glc*p*A-(1→]$_n$

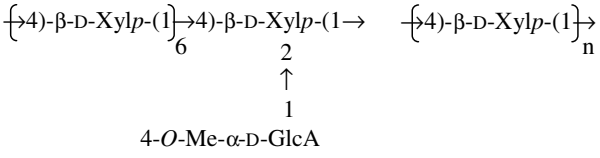


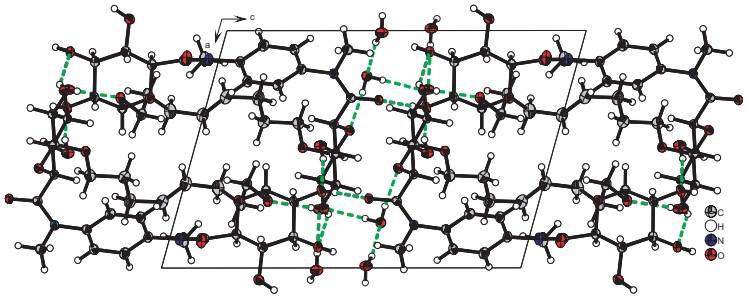




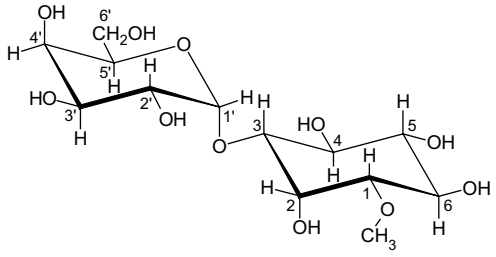
10% sodium alginate in ethanol/water mixture as dispersion

Oxidized alginate





The crystal structure of an amphiphilic macrocycle is described.



The molecular structure of galactosyl-D-(−)-bornesitol, a novel compound isolated from sweet pea seeds, was determined to be α-D-galactopyranosyl-(1→3)-1-*O*-methyl-1D-*myo*-inositol by 1D and 2D NMR spectroscopy and assigned the trivial name lathyritol.

*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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