

Carbohydrate Research Vol. 344, Issue 13, 2009

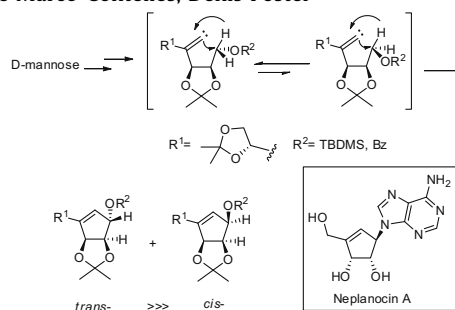
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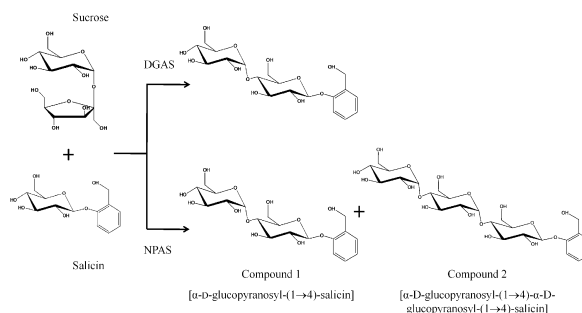
Albert Nguyen Van Nhien ^{*}, Elena Soriano, José Marco-Contelles, Denis Postel ^{*}



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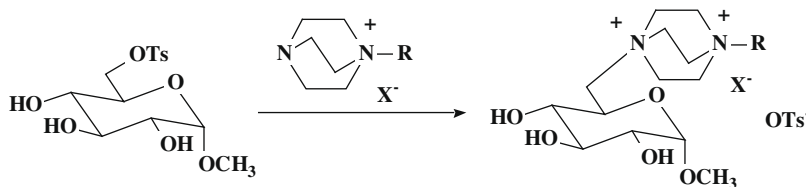
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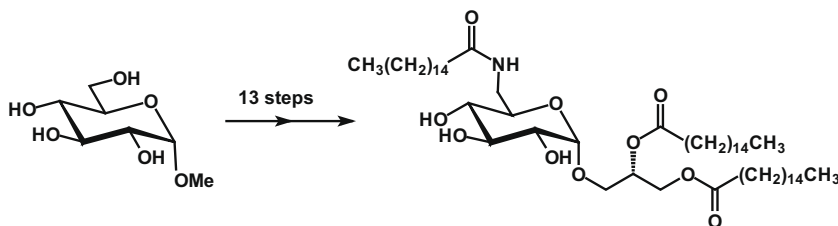
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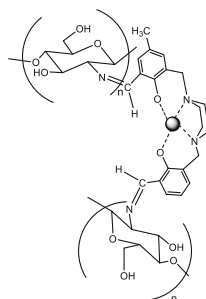


The first total synthesis of 1,2-dipalmitoyl-3-(*N*-palmitoyl-6'-amino-6'-deoxy- α -D-glucosyl)-*sn*-glycerol as potential Myt1-kinase inhibitor in 13 steps starting with α -methyl-D-glucopyranoside is described.

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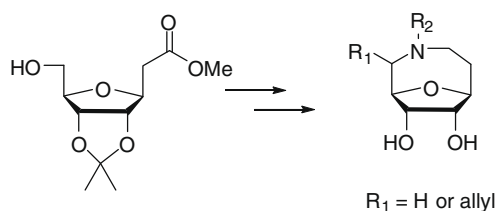
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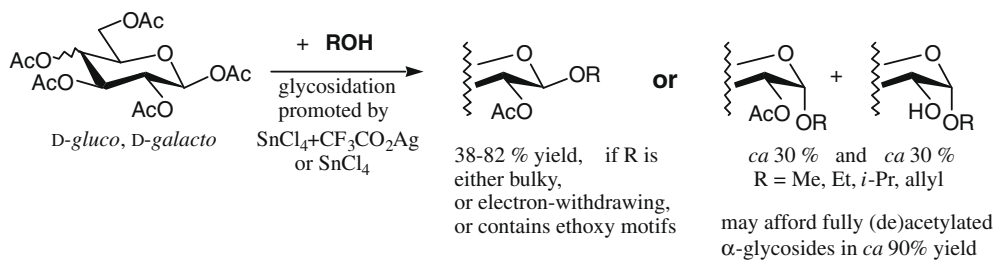
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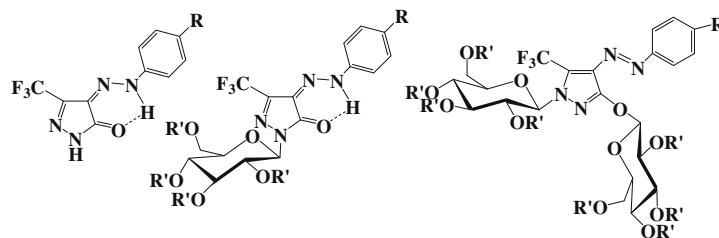
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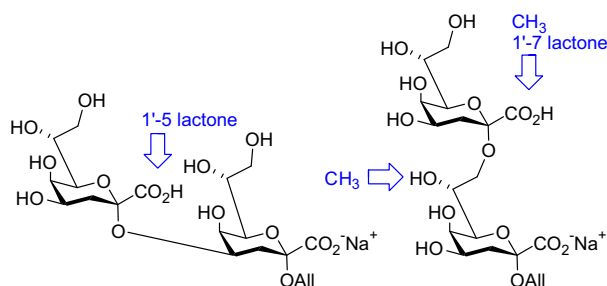
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R = H, CH₃, OCH₃, Cl; R' = COCH₃, H

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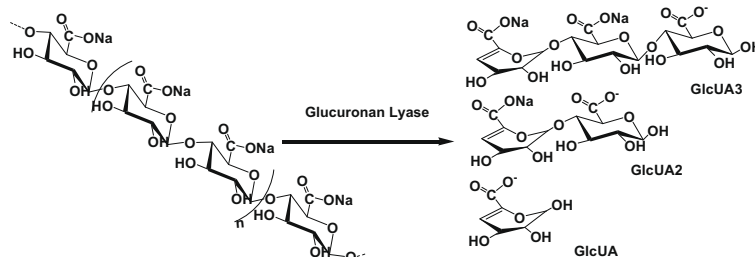
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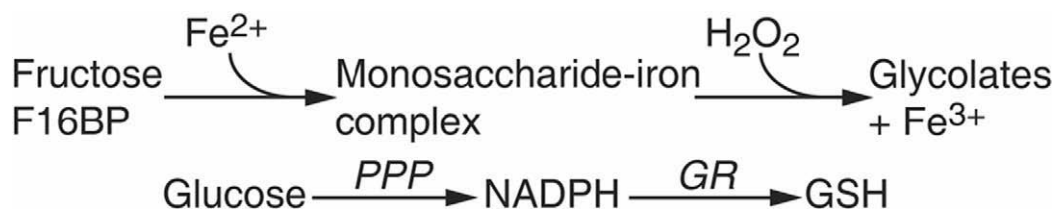
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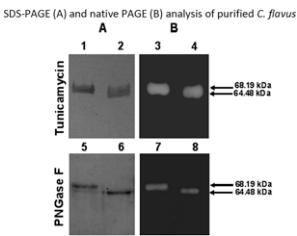
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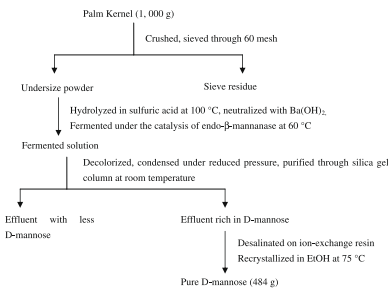
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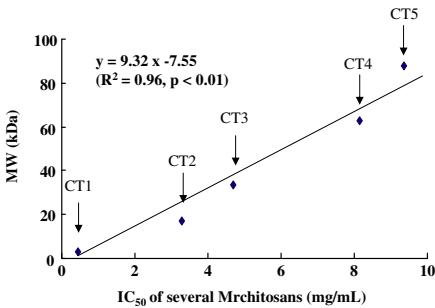
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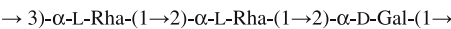
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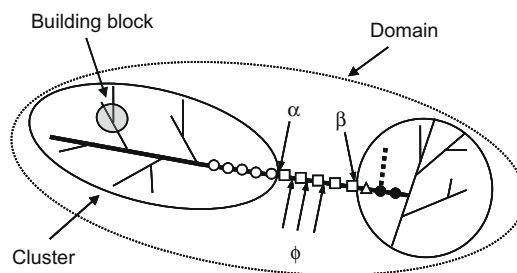
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**Chitosan membranes modified by contact with poly(acrylic acid)**

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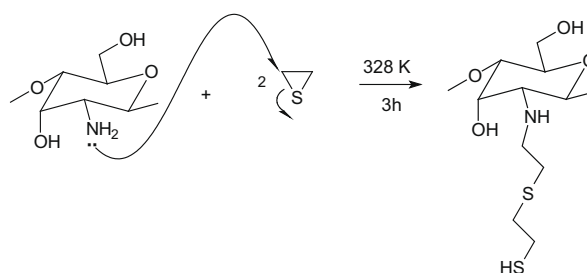
M.S.P. De Lima, M.S. Freire, J.L.C. Fonseca, M.R. Pereira *

	Permeability coefficient ($P \times 10^6$) (cm^2/sec)		
	CS	CSPAA_25	CSPAA_60
MTZ0.1%	35 ± 1.2	7.0 ± 0.1	1.00 ± 0.02
MTZ0.2%	34 ± 1.5	6.5 ± 0.1	0.60 ± 0.02
SMZ0.1%	25 ± 0.2	1.09 ± 0.02	0.81 ± 0.09
SMZ0.2%	25 ± 0.3	2.78 ± 0.05	0.38 ± 0.04

Ethylenesulfide as a useful agent for incorporation into the biopolymer chitosan in a solvent-free reaction for use in cation removal

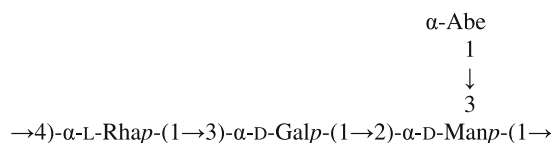
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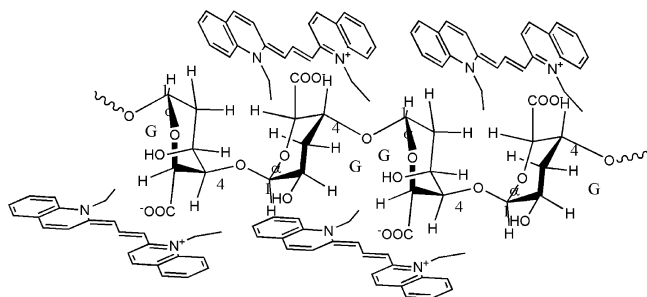
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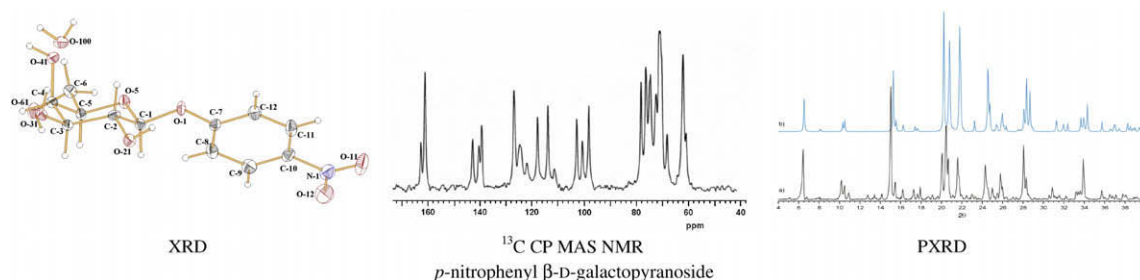
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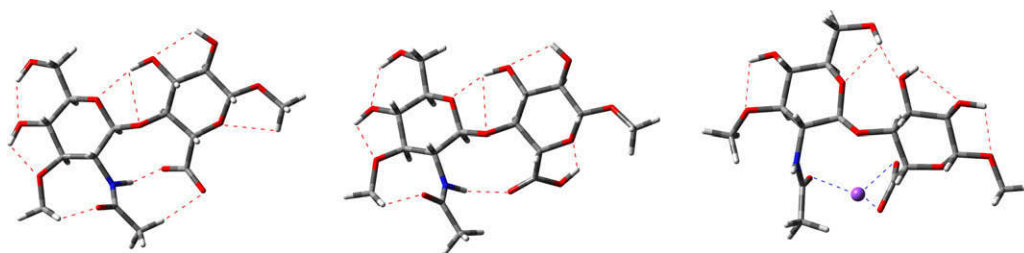
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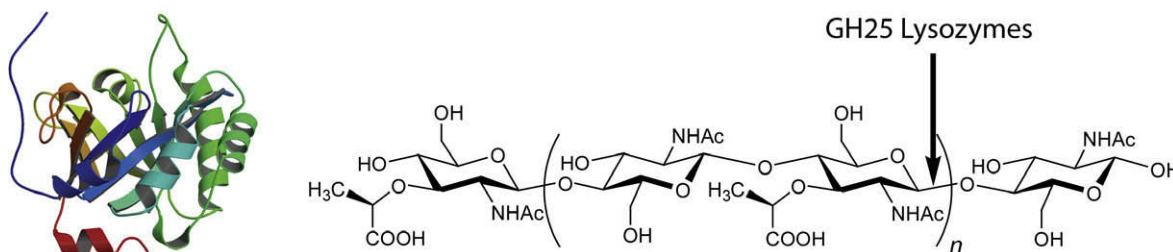
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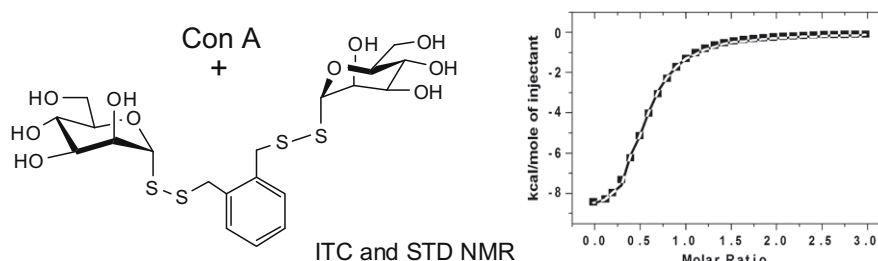
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**Carboxymethyl Chinese yam starch: synthesis, characterization, and influence of reaction parameters**

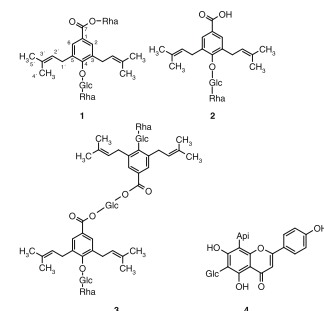
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Wang Yanli, Gao Wenyan *, Li Xia

**Notes****Glycosylated nervogenic acid derivatives from *Liparis condylobulbon* (Reichb.f.) leaves**

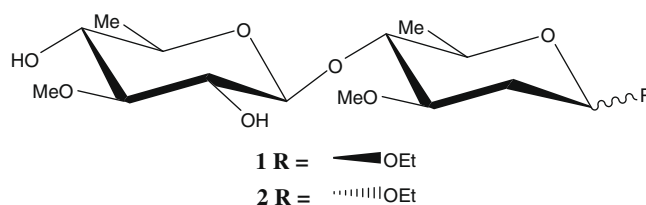
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**Two novel oligosaccharides from *Solanum nigrum***

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Rong Chen *, Lin Feng, Hai-Dao Li, Hua Zhang, Fei Yang



*Corresponding author

 Supplementary data available via ScienceDirect

COVER

High-mannose-type asparagine-linked glycans play critical roles in glycoprotein processing and quality control in the endoplasmic reticulum. However, the analysis of these events has been hindered by the limited availability of glycan substrates. Work by Ito and co-worker's has enabled the systematic synthesis of high mannose-type glycans, which were converted to conjugates with various small molecules and proteins. These probes revealed the substrate specificities of lectins, chaperones, and glycoprotein-processing enzymes.

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