

Carbohydrate Research Vol. 370, 2013

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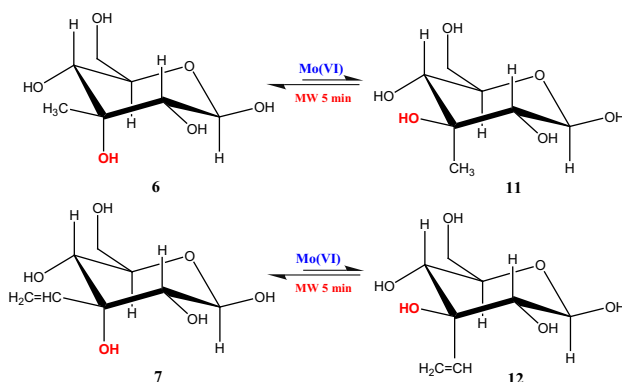
FULL PAPERS

Synthesis

A new type of rearrangement in branched-chain carbohydrates: isomerization of 3-C-branched aldoses

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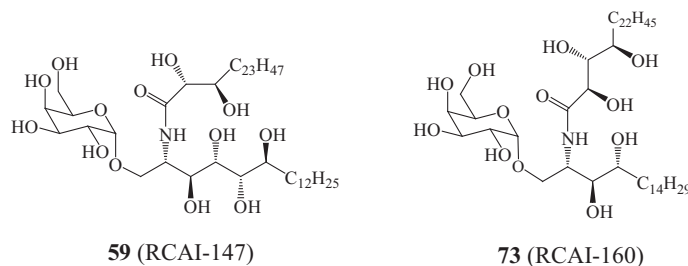
Zuzana Hricovíniová*, Miloš Hricovíni



Synthesis and biological activity of hydroxylated analogues of KRN7000 (α -galactosylceramide)

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Masao Shiozaki*, Takuya Tashiro, Hiroyuki Koshino, Tomokuni Shigeura, Hiroshi Watarai, Masaru Taniguchi, Kenji Mori

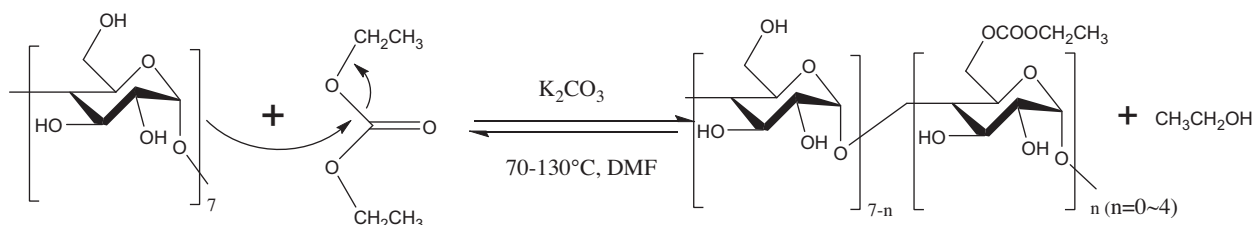


These two hydroxylated analogues of KRN7000 showed activity for EAE suppression.

A novel synthesis of ethyl carbonate derivatives of β -cyclodextrin

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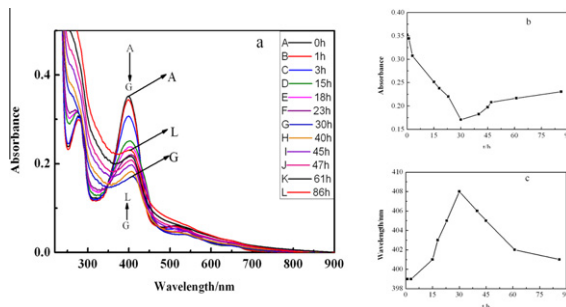
Dechao Huang, Yimin Zhang*, Huiying Zhang



Biochemistry and Enzymes**Deactivation of chloroperoxidase by monosaccharides (D-glucose, D-galactose, and D-xylose)**

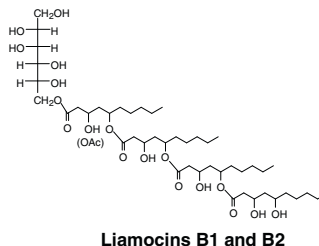
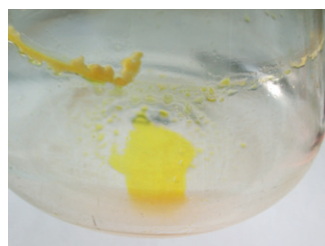
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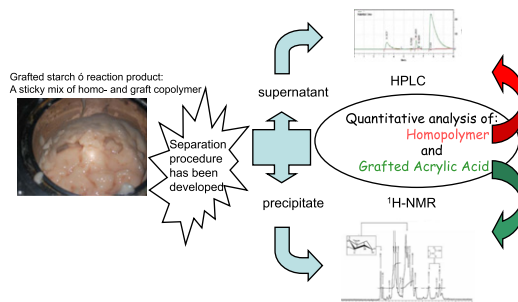
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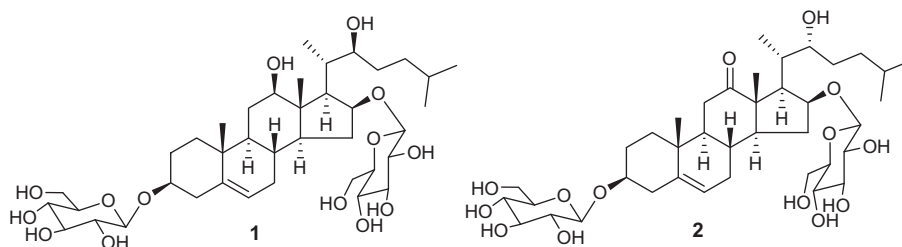
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Zulfiqar Ali, Troy J. Smillie, Ikhlas A. Khan*



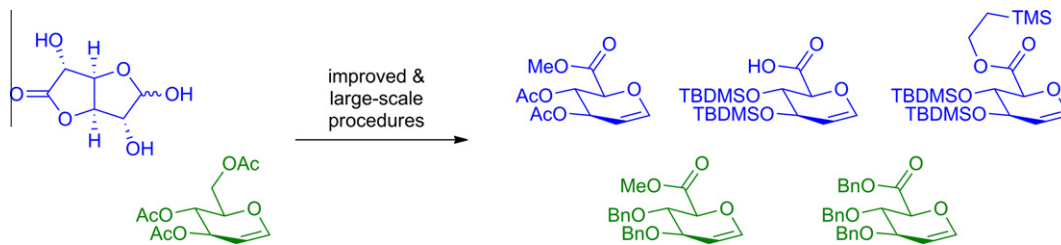
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Synthesis

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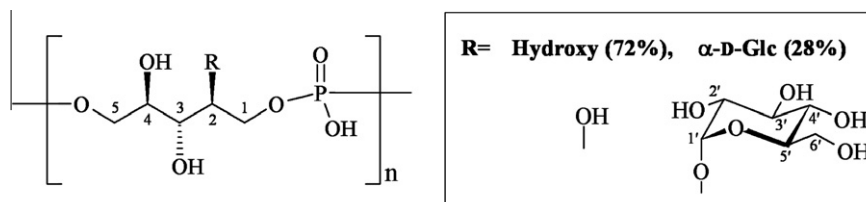


Biochemistry and Enzymes

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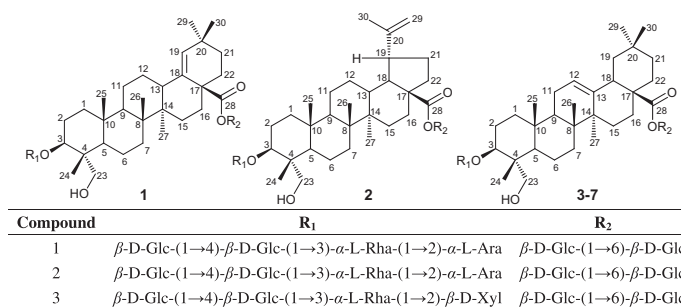


Characterization, Natural products

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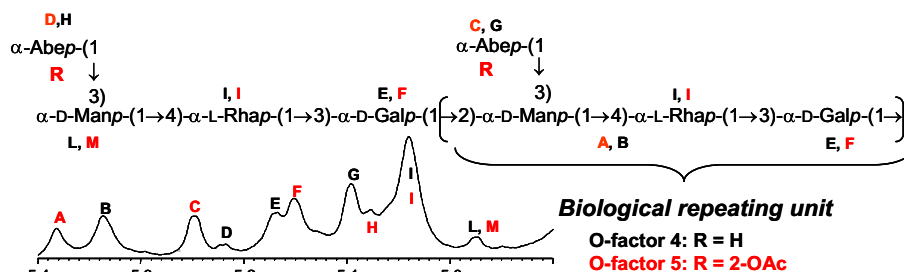


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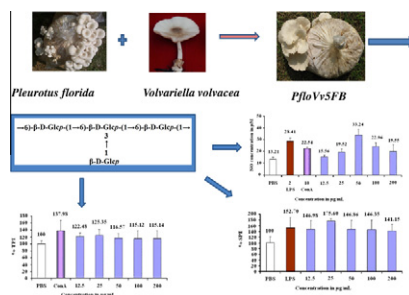
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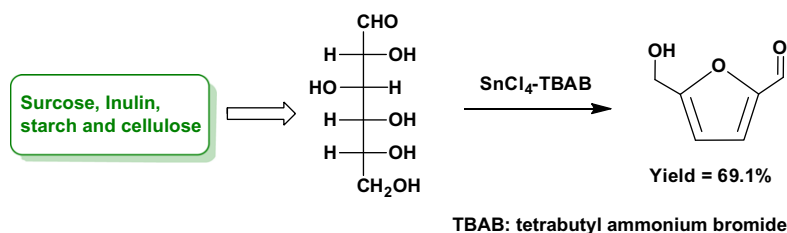
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Tin-catalyzed efficient conversion of carbohydrates for the production of 5-hydroxymethylfurfural in the presence of quaternary ammonium salts

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Guo Tian, Xinli Tong*, Yi Cheng, Song Xue*



*Corresponding author

Supplementary data available via SciVerse ScienceDirect

COVER

Multi-functionalisation of cyclodextrins (CD) has entered a new era thanks to the regioselective chemistry developed by M. Sollogoub's group. As illustrated on the cover, many applications can now be reached using CDs with various functions on specific positions. An example of functionalisation of CDs is given in the first issue of this journal. Image realised by Mickaël Ménand.

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