

Carbohydrate Research Vol. 398, 2014

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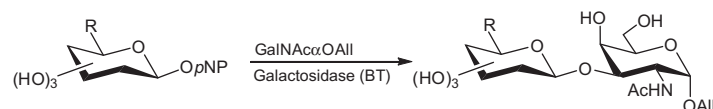
FULL PAPERS

Synthesis

Some findings in transgalactosylations employing modified donor substrates

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Lars Kröger, Joachim Thiem*

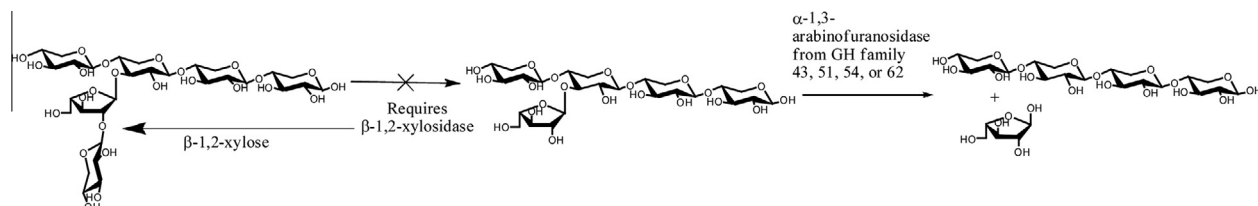


Biochemistry and Enzymes

 Structural characterization of (1→2)-β-xylose-(1→3)-α-arabinose-containing oligosaccharide products of extracted switchgrass (*Panicum virgatum*, L.) xylan after exhaustive enzymatic treatment with α-arabinofuranosidase and β-endo-xylanase

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Michael J. Bowman*, Bruce S. Dien, Karl E. Vermillion, Jeffrey A. Mertens

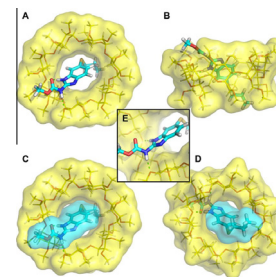


Characterization, Naturalproducts

Investigation of the complexation of albendazole with cyclodextrins for the design of new antiparasitic formulations

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Bénédicte Pradines, Jean-François Gallard, Bogdan I. Iorga, Claire Gueutin, Philippe M. Loiseau, Gilles Ponchel, Kawthar Bouchemal*



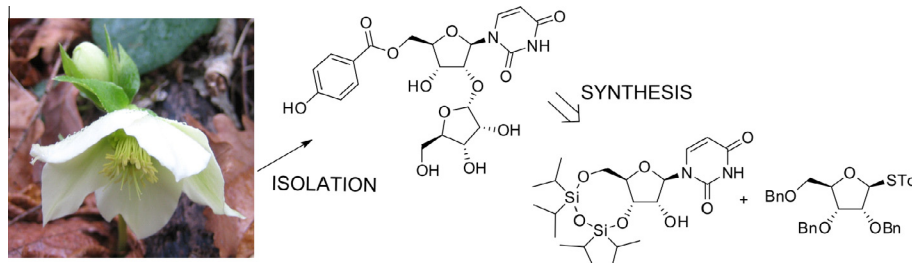
Representation of the complex between ABZ (cyan) and Me-β-CD (yellow) was obtained by molecular docking (1:1 stoichiometry). Surfaces colored in yellow and cyan represent solvent accessible surfaces for Me-β-CD and ABZ, respectively. Views from the outside larger cavity of Me-β-CD (A and C), lateral view of ABZ/Me-β-CD inclusion complex (B), view from the narrow side of the Me-β-CD cavity (D), and detailed view highlighting the two hydrogen bonds were observed between Me-β-CD and ABZ (E). (This figure appears in color on the web.)



Isolation of a new disaccharide nucleoside from *Helleborus caucasicus*: structure elucidation and total synthesis of hellecaucaside A and its β -anomer

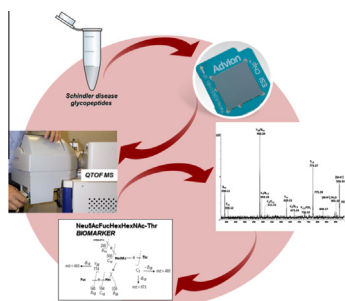
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Balla Sylla, Charles Gauthier, Jean Legault, Pierre-Yves Fleury, Serge Lavoie, Vakhtang Mshvildadze, Tamar Muzashvili, Eter Kemertelidze, André Pichette*


Automated chip-nanoelectrospray mass spectrometry for glycourinomics in Schindler disease type I

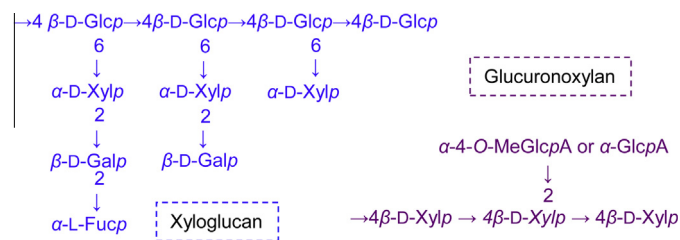
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Mirela Sarbu, Adrian Robu, Jasna Peter-Katalinić, Alina D. Zamfir*


Polysaccharides
Bioactive hemicelluloses alkali-extracted from *Fallopia sachalinensis* leaves

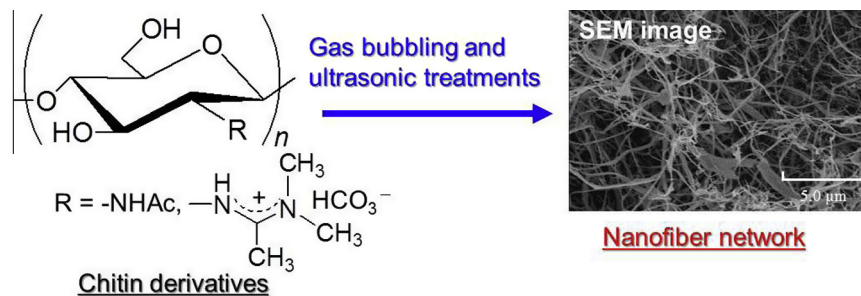
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Košťálová Zuzana*, Hromádková Zdenka, Paulsen Berit Smestad, Ebringerová Anna


Facile nanofibrillation of chitin derivatives by gas bubbling and ultrasonic treatments in water

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Kohei Tanaka, Kazuya Yamamoto, Jun-ichi Kadokawa*



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