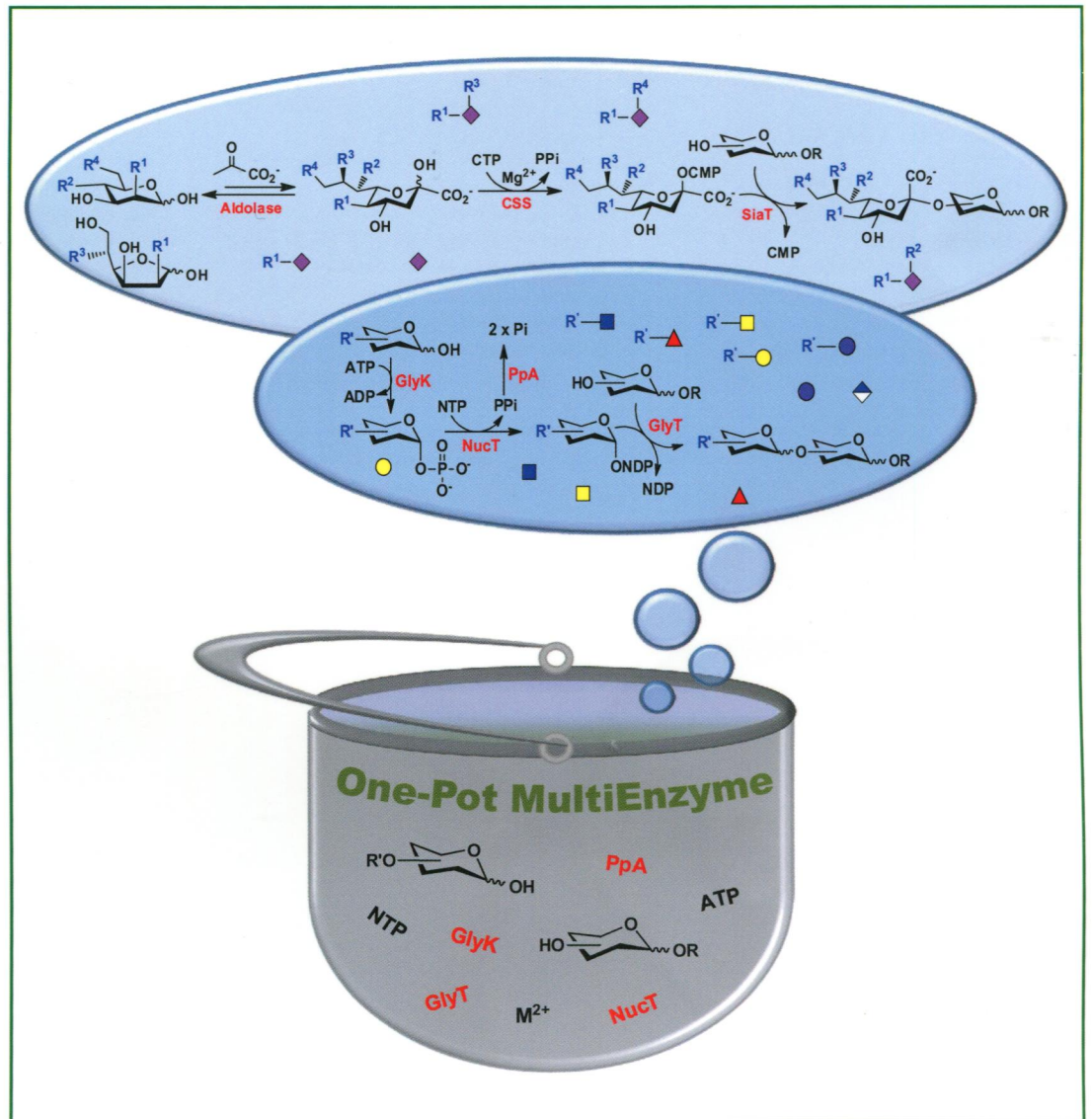




Carbohydrate RESEARCH

An International Journal of Molecular Glycoscience



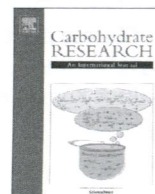


ELSEVIER

Contents lists available at ScienceDirect

Carbohydrate Research

journal homepage: www.elsevier.com/locate/carres



Carbohydrate Research Vol. 397, 2014

Contents

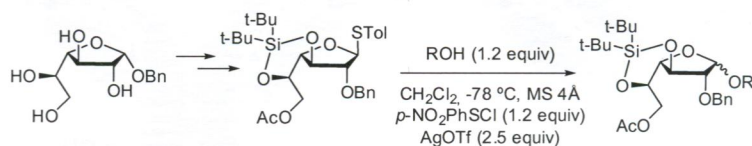
FULL PAPERS

Synthesis

Conformationally restricted 3,5-O-(di-tert-butylsilylene)-D-galactofuranosyl thioglycoside donor for 1,2-cis α -D-galactofuranosylation

pp 7–17

Mariano J. Tilve, Carola Gallo-Rodriguez*



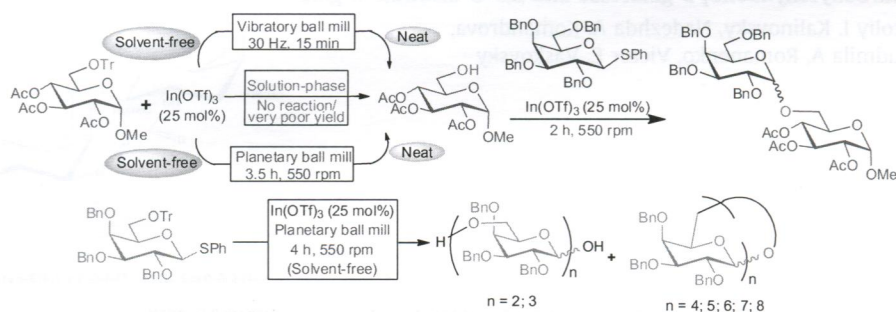
premixed 20:1–3:1 α/β ratio, 80–53%
preactivation 1:0–3.6:1 α/β ratio, 81–52%



In(III) triflate-catalyzed detritylation and glycosylation by solvent-free ball milling

pp 18–26

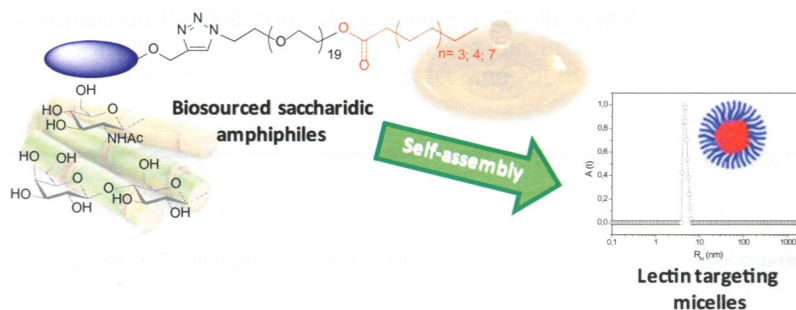
Vajinder Kumar, Narender Yadav, K.P. Ravindranathan Kartha*



Synthesis, micellization and lectin binding of new glycosurfactants

pp 31–36

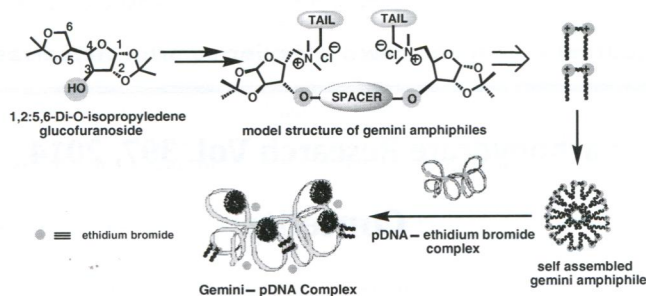
Alexandre G. Dal Bó, Valdir Soldi, Fernando C. Giacomelli, Christophe Travelet, Redouane Borsali, Sébastien Fort*



D-Glucose derived novel gemini surfactants: synthesis and study of their surface properties, interaction with DNA, and cytotoxicity

pp 37–45

Vikash Kumar, Amrita Chatterjee*, Nupur Kumar, Anasuya Ganguly, Indranil Chakraborty, Mainak Banerjee*

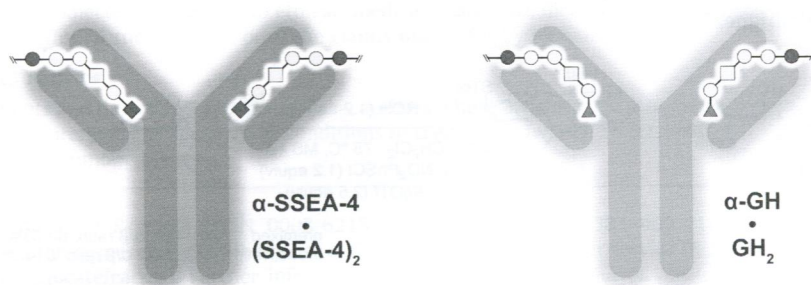


Biochemistry and Enzymes

Affinity of monoclonal antibodies for Globo-series glycans

pp 1–6

Chelcie H. Eller, Guangbin Yang, Ouathek Ouerfelli, Ronald T. Raines*

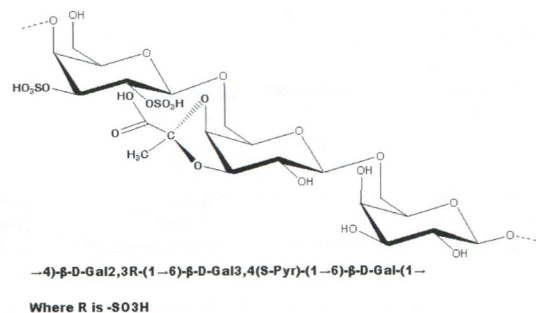


Polysaccharides

The new sulfated O-specific polysaccharide from marine bacterium *Cobetia pacifica* KMM 3878, containing 3,4-O-[(S)-1-carboxyethylidene]-D-galactose and 2,3-O-disulfate-D-galactose

pp 46–51

Maxim S. Kokoulin*, Anatoliy I. Kalinovsky, Nadezhda A. Komandrova, Svetlana V. Tomshich, Lyudmila A. Romanenko, Victor E. Vaskovsky



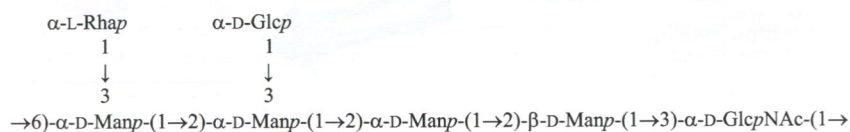
NOTE

Polysaccharides

Structure and gene cluster of the O-antigen of *Escherichia coli* O68

pp 27–30

Lingyan Jiang, Andrei V. Perepelov*, Andrei V. Filatov, Bin Liu, Alexander S. Shashkov, Sofya N. Senchenkova, Lei Wang, Yuriy A. Knirel



*Corresponding author

+ Supplementary data available via 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.

Available online at www.sciencedirect.com

ScienceDirect

Abstracted/Indexed in: Chem. Abstr.: Curr. Contents: Phys., Chem. & Earth Sci. Life Sci. Current Awareness in Bio. Sci. (CABS). Science Citation Index. Full texts are incorporated in CJELSEVIER, a file in the Chemical Journals Online database which is available on STN[®] International. Also covered in the abstract and citation database Scopus[®]. Full text available on ScienceDirect[®]



ELSEVIER

ISSN 0008-6215