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Carbohydrate
RESEARCH

Carbohydrate Research Vol. 341, No. 3, 2006

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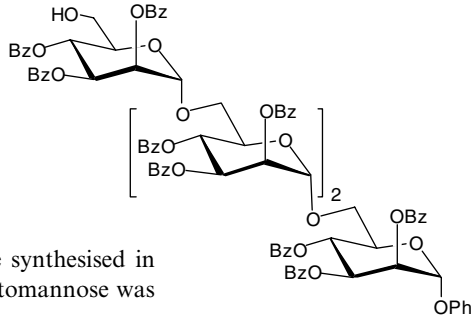
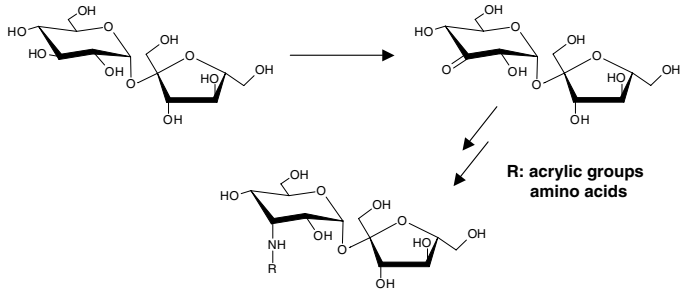
Regine Blattner, Richard H. Furneaux* and Michael Ludewig

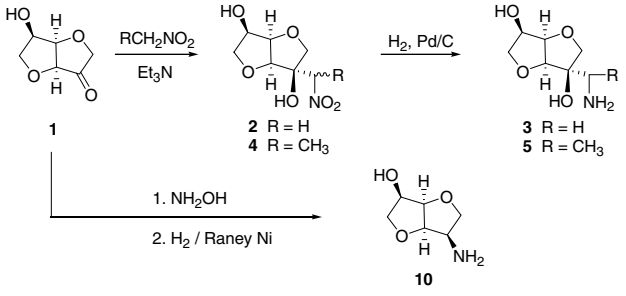


The illustrated tetramer and an analogous 1,2-linked compound were synthesised in solution and on a soluble polyethyleneglycol support. A branched pentomannose was obtained by solution methods but not on the polymer.

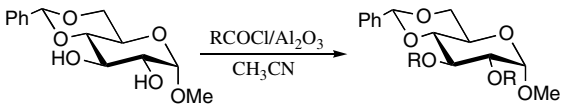
New regioselective derivatives of sucrose with amino acid and acrylic groups **pp 322–331**
Jan Anders, Rachel Buczys, Elmar Lampe, Martin Walter, Emile Yaacoub and Klaus Buchholz*



Highly stereoselective synthesis and structural characterization of new amino sugar derivatives **pp 332–338**
Feng-Wu Liu, Lin Yan, Jing-Yu Zhang and Hong-Min Liu*

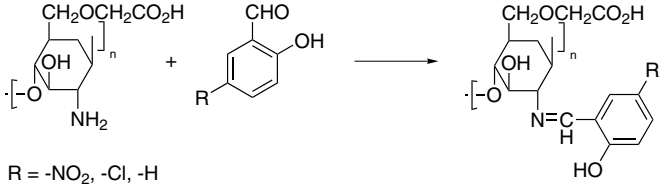


Acylation of carbohydrates over Al_2O_3: preparation of partially and fully acylated carbohydrate derivatives and acetylated glycosyl chlorides **pp 339–350**
Pallavi Tiwari and Anup Kumar Misra*



R = Acetyl, chloroacetyl, pivaloyl, benzoyl

Novel derivatives of chitosan and their antifungal activities in vitro **pp 351–354**
Zhanyong Guo, Rong Chen, Ronge Xing, Song Liu, Huahua Yu, Pibo Wang, Cuiping Li and Pengcheng Li*



R = -NO_2, -Cl, -H

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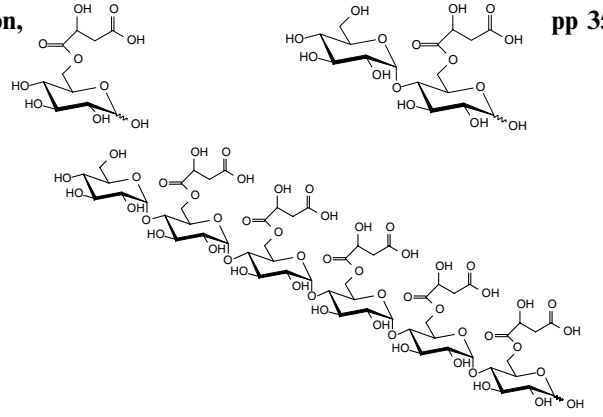
Macniell F. Esua* and Johann-Wilhelm Rauwald



Structure and assembly of epiglucan, the extracellular (1→3;1→6)-β-glucan produced by the fungus *Epicoccum nigrum* strain F19 **pp 365–373**
Frank Schmid, Bruce A. Stone, Robert T. C. Brownlee, Barbara M. McDougall and Robert J. Seviour*

β-*D*-Glc*p* β-*D*-Glc*p*
1 1
↓ ↓
6 6
→3)-β-*D*-Glc*p*-(1→3)-β-*D*-Glc*p*-(1→3)-β-*D*-Glc*p*-(1→

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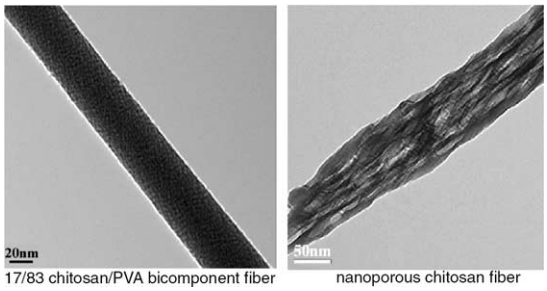

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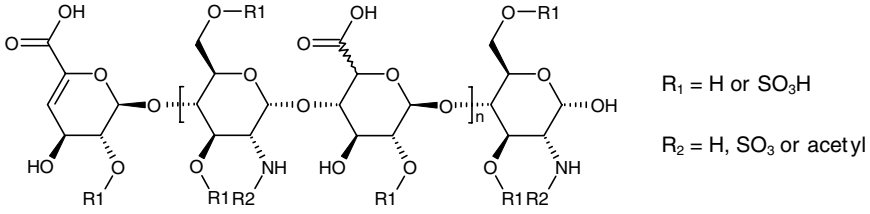

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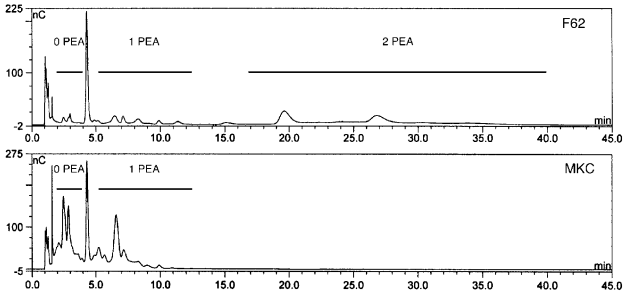
Karen V. Swanson and J. McLeod Griffiss*



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Ashok Kumar Singh,* Jaya Srivastava, Shahla Rahmani and Vineeta Singh

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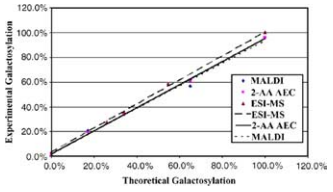
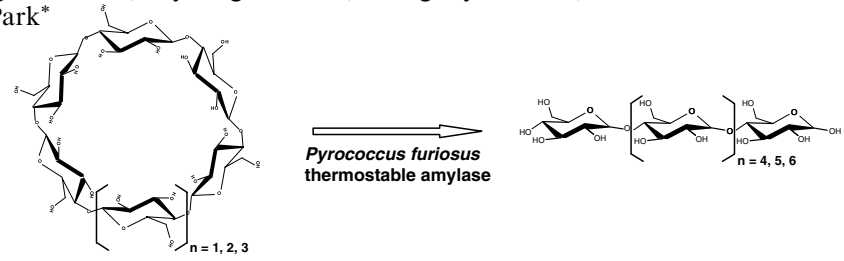
A comparison of three techniques for quantitative carbohydrate analysis used in characterization of therapeutic antibodies pp 410–419
Joseph Siemiatkoski,* Yelena Lyubarskaya, Damian Houde, Samnang Tep and Rohin Mhatre



Graphical comparison of linearity for test mixtures.

NOTE

Enzymatic preparation of maltohexaose, maltoheptaose, and maltooctaose by the preferential cyclomaltooligosaccharide (cyclodextrin) ring-opening reaction of *Pyrococcus furiosus* thermostable amylase pp 420–424
Sung-Jae Yang, Hee-Seob Lee, Jung-Woo Kim, Myoung-Hee Lee, Joong-Hyuck Auh, Byong-Hoon Lee and Kwan-Hwa Park*



Cyclodextrins

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*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

COVER

Image represents a key process of malaria parasites multiplying in, and rupturing from the human blood cell. The parasite surface is coated with glycosylphosphatidylinositols (GPIs), which have been identified as the malaria toxin by a collaborative effort between the research groups headed by Peter Seeberger (Swiss Federal Institute of Technology (ETH) Zürich, Switzerland) and Louis Schofield (Walter and Eliza Hall Institute of Medical Research, Australia). The space filling model represents the native GPI molecule from malaria parasite that has been chemically synthesized by the Seeberger group. Professor Peter Seeberger was presented with the Carbohydrate Research Award at the 13th European Carbohydrate Symposium (Bratislava, 2005).

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