Graphical Abstracts

Synthesis of L-arabinitol and xylitol monomers for the preparation of polyamides. Preparation of an L-arabinitol-based polyamide

Carbohydr. Res. **2001,** *333*, 95

María de Gracia García-Martín, Rocío Ruiz Pérez, Elena Benito Hernández, Juan A. Galbis

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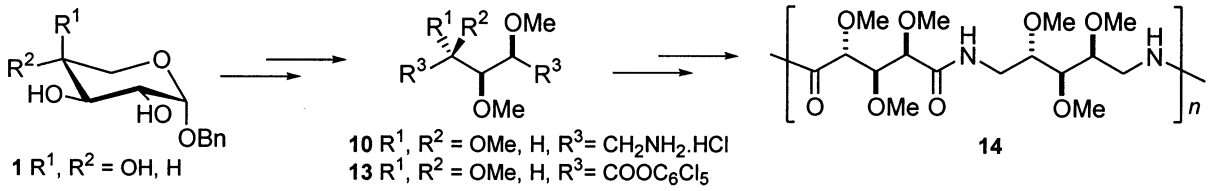

Stereoselective synthesis of 2-*S*-ethyl(phenyl)-2-thio-β-glucopyranosides via 1,2-migration and concurrent glycosidation of ethyl(phenyl) 2,3-orthoester-1-thio-α-mannopyranosides

Carbohydr. Res. **2001,** *333*, 105

Zunyi Yang, Biao Yu

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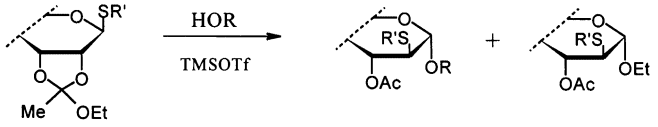

Synthesis of an aza analogue of 2-deoxy-D-ribofuranose and its homologues

Carbohydr. Res. **2001,** *333*, 115

Vyacheslav V. Filchev, Malene Brandt, Erik B. Pedersen

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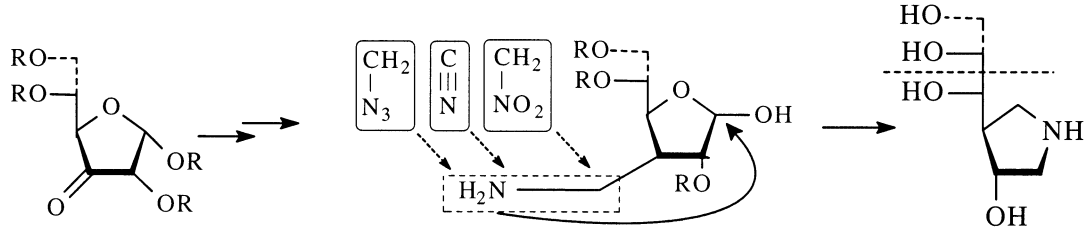

Synthesis of β-D-galactofuranosyl nucleoside analogues. A new type of β-D-galactofuranosidase inhibitor

Carbohydr. Res. **2001,** *333*, 123

Carla Marino,[a] Pal Herczegh,[b] Rosa M. de Lederkremer[a]

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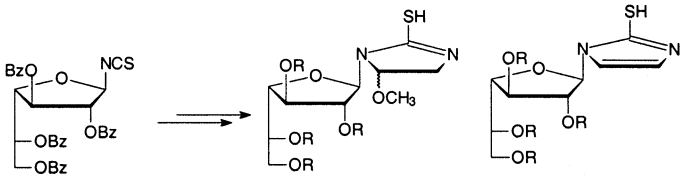

Carbohydr. Res. **2001,** *333*, 129

Chemoenzymatic synthesis of 2-chloro-4-nitrophenyl β-maltoheptaoside acceptor-products using glycogen phosphorylase b

Lili Kandra, Gyöngyi Gyémánt, Magda Pál, Marianna Petró, Judit Remenyik, András Lipták

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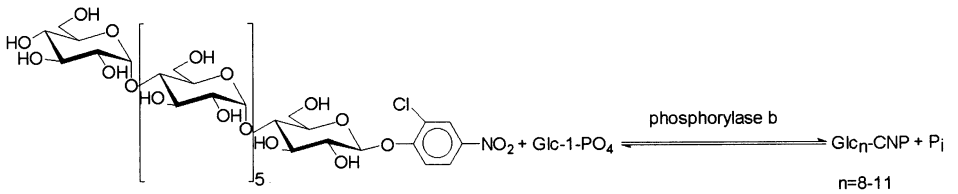

Carbohydr. Res. **2001,** *333*, 137

Preparation and characterisation of oligosaccharides produced by nitrous acid depolymerisation of chitosans

Kristoffer Tømmeraas, Kjell M. Vårum, Bjørn E. Christensen, Olav Smidsrød

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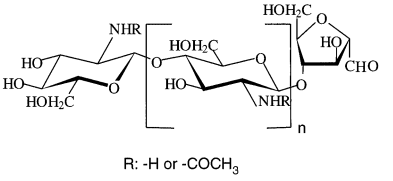
Fully *N*-acetylated and fully *N*-deacetylated oligosaccharides were prepared by nitrous acid depolymerisation of partially and fully *N*-deacetylated chitosan.



Carbohydr. Res. **2001,** *333*, 145

The crystal structure of the 1:1 inclusion complex of β-cyclodextrin with squaric acid

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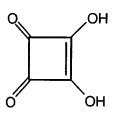
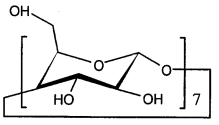


1 H_2SQ



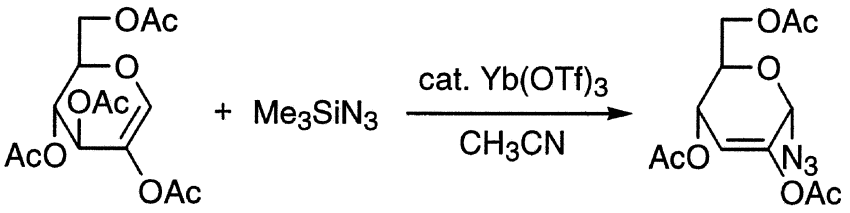
2 β-CD

Carbohydr. Res. **2001,** *333*, 153

Reaction of D-glycals with azidotrimethylsilane

Hirotoshi Kawabata, Shinji Kubo, Masahiko Hayashi

Department of Chemistry, Faculty of Science, Yamaguchi University, Yamaguchi 753-8512, Japan



High yielding one-pot enzyme-catalyzed synthesis of UDP-glucose in gram scales

Carbohydr. Res. **2001,** *333*, 159

Xueyan Ma, Joachim Stöckigt

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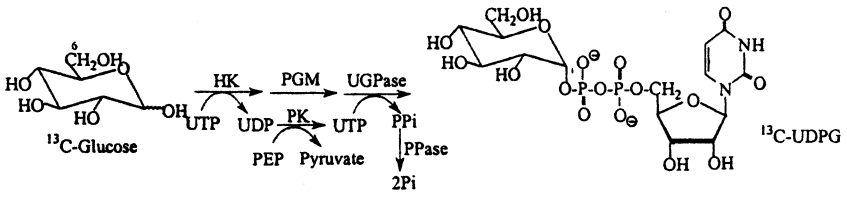

Studies of acceptor site specificities for three members of UDP-GalNAc:*N*-acetylgalactosaminyltransferases by using a synthetic peptide mimicking the tandem repeat of MUC5AC

Carbohydr. Res. **2001,** *333*, 165

Daniel Tetaert,[a] Colette Richet,[a] Jean Gagnon,[b] Arnold Boersma,[a] Pierre Degand[a]

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The three major isoforms of UDP-GalNAc:polypeptide *N*-acetylgalactosaminyl-transferases (GaNTases) *O*-glycosylate at different positions the motif GT^{2}T^{3}PSPVPT^{9}TSTT^{13}SAP:GaNTase-T1 (# 3, # 13); GaNTase-T2 (# 9); GaNTase-T3 (# 3, # 2, # 13).

Structure of a cell wall polysaccharide isolated from *Hypocrea gelatinosa*

Carbohydr. Res. **2001,** *333*, 173

Alicia Prieto,[b] Juan Antonio Leal,[b] Begoña Gómez-Miranda,[b] Oussama Ahrazem,[b] Jesús Jiménez-Barbero,[a] Manuel Bernabé[a]

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[b]*Centro de Investigaciones Biológica, CSIC, Velázquez 144, E-28006, Madrid, Spain*

An idealised repeating unit of the polysaccharide from *H. gelatinosa* is proposed to be as follows:

β-Galf-(1→2)-α-Manp
↓
6
(α- Manp)$_n$
↓
6

α-Glcp(1→4)-α-GlcpA-(1→2)-β-Galf-(1→6)-β-Galf-(1→5)β-Galf-(1→6)-β-Galf-(1→2)-α- Manp

Structural studies of the O-polysaccharide from the *Escherichia coli* O77 lipopolysaccharide

Carbohydr. Res. **2001,** *333*, 179

Håkan Yildirim,[a] Andrej Weintraub,[b] Göran Widmalm[a]

[a]*Arrhenius Laboratory, Department of Organic Chemistry, Stockholm University, S-106 91 Stockholm, Sweden*
[b]*Karolinska Institute, Department of Microbiology, Pathology and Immunology, Division of Clinical Bacteriology, Huddinge University Hospital, S-141 86 Stockholm, Sweden*

→2)-α-D-Man*p*-(1→2)-β-D-Man*p*-(1→3)-α-D-Glc*p*NAc-(1→6)-α-D-Man*p*-(1→