Carbohydr. Res. **2002,** *337*, 1517

Synthesis and inhibitory activity of a di- and a trisaccharide corresponding to an erythrocyte glycolipid responsible for the nor polyagglutination

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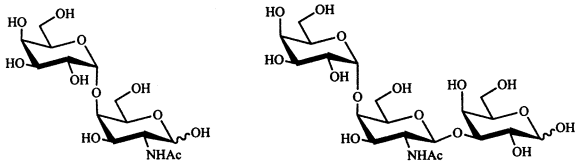

Carbohydr. Res. **2002,** *337*, 1523

Stereoselective synthesis of a *C*-glycosylic compound (a "methyl *C*-glycoside") through a regioselective free-radical ring-opening reaction. A single-crystal X-ray structure determination

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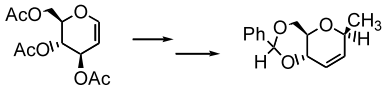

Carbohydr. Res. **2002,** *337*, 1529

Production of insoluble dextran using cell-bound dextransucrase of *Leuconostoc mesenteroides* NRRL B-523

Prabhu Arcot Padmanabhan, Dong-Shik Kim

Department of Chemical and Environmental Engineering, 3048 Nitschke Hall, The University of Toledo, Toledo, OH 43606, USA

An alternative method to synthesize water-insoluble cell-free dextran using cell-bound dextransucrose, which produces more insoluble dextran than soluble dextran, has been examined.

Carbohydr. Res. **2002,** *337*, 1535

Structure of the O-specific polysaccharide of *Proteus penneri* 103 containing ribitol and 2-aminoethanol phosphates

Dominika Drzewiecka,[a] Philip V. Toukach,[b] Nikolay P. Arbatsky,[b] Krystyna Zych,[a] Alexander S. Shashkov,[b] Yuriy A. Knirel,[b] Zygmunt Sidorczyk[a]

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[b]*N.D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, 119991 Moscow, Russian Federation*

Etn-*P*
|
6
→3)-β-D-Gal*p*NAc-(1→4)-D-Rib-ol-5-*P*-(O→4)-β-D-Glc*p*-(1→3)-β-D-Gal*p*-(1→

Carbohydr. Res. **2002,** *335*, 1541

Structure of a new 2-deoxy-2-[(*R*)-3-hydroxybutyramido]-D-glucose-containing O-specific polysaccharide from the lipopolysaccharide of *Citrobacter gillenii* PCM 1542

Ewa Katzenellenbogen,[a] George V. Zatonsky,[b] Nina A. Kocharova,[b] Maria Bogulska,[a] Agnieszka Korzeniowska-Kowal,[a] Alexander S. Shashkov,[b] Andrzej Gamian,[a] Yuriy A. Knirel[b]

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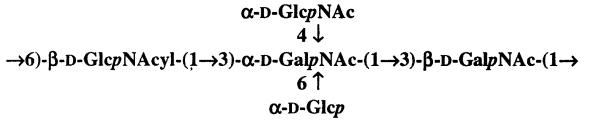

Carbohydr. Res. **2002,** *335*, 1547

Identification of the capsular polysaccharides of Type D and F *Pasteurella multocida* as unmodified heparin and chondroitin, respectively

Paul L. DeAngelis,[a] Nur Sibel Gunay,[b] Toshihiko Toida,[c] Wen-jun Mao,[b] Robert J. Linhardt[b]

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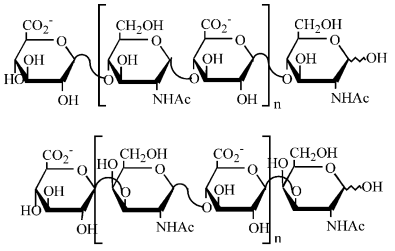
[b]*Departments of Chemistry, Medicinal and Natural Products Chemistry, and Chemical and Biochemical Engineering, University of Iowa, Iowa City, IA 52242, USA*
[c]*Department of Bioanalytical Chemistry, Graduate School of Pharmaceutical Sciences, Chiba University, Chiba 263-8522, Japan*



Carbohydr. Res. **2002,** *337*, 1553

Matrix-assisted ultraviolet laser-desorption ionization and electrospray-ionization time-of-flight mass spectrometry of sulfated neocarrabiose oligosaccharides

Yuko Fukuyama,[a] Marina Ciancia,[b] Hiroshi Nonami,[a] Alberto S. Cerezo,[b] Rosa Erra-Balsells,[c] María C. Matulewicz[b]

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[b]*Departamento de Química Orgánica, CIHIDECAR-CONICET, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Pabellón 2-Ciudad Universitaria, 1428 Buenos Aires, Argentina*
[c]*Departamento de Química Orgánica, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Pabellón 2-Ciudad Universitaria, 1428 Buenos Aires, Argentina*

Several commercial sulfated neocarrabiose oligosaccharides were analyzed by UV-MALDI-TOF-MS in the positive- and negative-ion modes, using 2,5-dihydroxybenzoic acid and *nor*-harmane as matrices; PSD patterns were investigated. ESI-TOF-MS of these analytes was also performed.

Carbohydr. Res. **2002,** *337*, 1563

Modeling and measurements of solid–liquid and vapor–liquid equilibria of polyols and carbohydrates in aqueous solution

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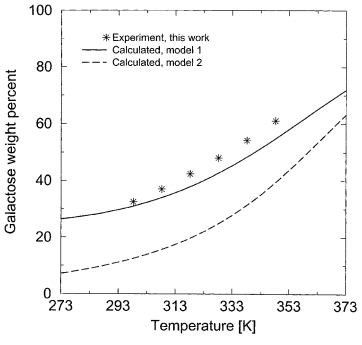

Carbohydr. Res. **2002,** *337*, 1573

Influence of sodium dodecyl sulfate/TritonX-100 micelles on the oxidation of D-fructose by chromic acid in presence of $HClO_4$

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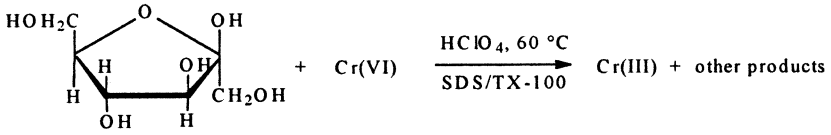
[a]*Chemistry Department, Aligarh Muslim University, Aligarh 202 002, India*
[b]*Chemistry Department, Jamia Millia Islamia, New Delhi 110 025, India*



Carbohydr. Res. **2002,** *337*, 1585

Enzymatic synthesis of D-glucosone 6-phosphate (D-*arabino*-hexos-2-ulose 6-(dihydrogen phosphate)) and NMR analysis of its isomeric forms

Stefan Freimund,[b] Lars Baldes,[a] Alexander Huwig,[a] Friedrich Giffhorn[a]

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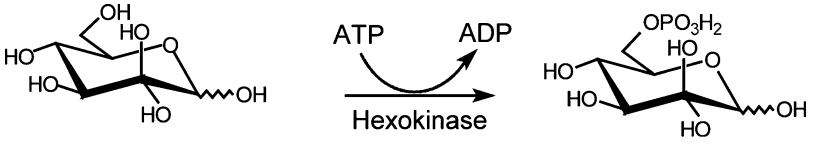
[b]*Laboratorium für Technische Chemie, Eidgenössische Technische Hochschule, HCI F104, CH-8093 Zürich, Switzerland*



Carbohydr. Res. **2002,** *337*, 1589

Structure of the O-polysaccharide of *Pseudomonas putida* FERM P-18867

Yuriy A. Knirel,[a] Alexander S. Shashkov,[a] Sof'ya N. Senchenkova,[a] Yusuke Ajiki,[b] Satoshi Fukuoka[c]

[a]*N.D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, Leninsky Prospeckt 47, 119991 Moscow, Russia*
[b]*Yamagata Research Institute of Technology, Shonai Branch, Mikawa, Yamagata 997-1321, Japan*
[c]*National Institute of Advanced Industrial Science and Technology, AIST Shikoku, Institute for Marine Resources and Environment, Takamatsu 761-0395, Japan*

$$\rightarrow 2)\text{-}\alpha\text{-D-Rha}p\text{-}(1\rightarrow 3)\text{-}\alpha\text{-D-Rha}p\text{-}(1\rightarrow 3)\text{-}\beta\text{-D-Man}p\text{-}(1\rightarrow$$

Carbohydr. Res. **2002,** *337*, 1593

Isolation and structure of D-xylans from pericarp seeds of *Opuntia ficus-indica* prickly pear fruits

Youssef Habibi,[a,b] Mostafa Mahrouz,[b] Michel R. Vignon[a]

[a]*Centre de Recherches sur les Macromolécules Végétales, CNRS, and Université Joseph Fourrier, BP 53, F-38041 Grenoble cedex 9, France*
[b]*Faculté des Sciences Semlalia (Université Cadi Ayyad), BP 2390, Marrakech, Morocco*

Xylans were isolated from the pericarp of prickly pear seeds of *Opuntia ficus-indica* by alkaline extraction.