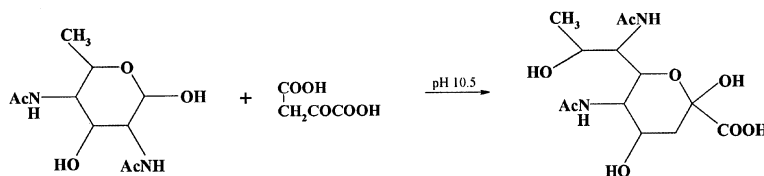


Synthesis and NMR spectroscopy of nine stereoisomeric 5,7-diacetamido-3,5,7,9-tetradexynon-2-ulosonic acids

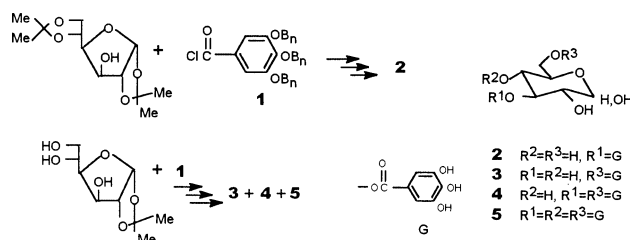
Carbohydr. Res. **2001**, 335, 221

 Yury E. Tsvetkov,^a Alexander S. Shashkov,^a Yuriy A. Knirel,^a Ulrich Zähringer^b
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Synthesis of gallotannins

Carbohydr. Res. **2001**, 335, 245

Qiang He, Bi Shi, Kai Yao, Yi Luo, Zhihong Ma

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A rapid and sensitive procedure for determination of 5-*N*-acetyl neuraminic acid in lipopolysaccharides of *Haemophilus influenzae*: a survey of 24 non-typeable *H. influenzae* strains

Carbohydr. Res. **2001**, 335, 251

 Sebastian H.J. Bauer,^a Martin Månsson,^a Derek W. Hood,^b James C. Richards,^c E. Richard Moxon,^b Elke K.H. Schweda^a
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^c*Institute for Biological Sciences, National Research Council of Canada, Ottawa, Ont., Canada K1A 0R6*

 A sensitive method for the determination of 5-*N*-acetyl neuraminic acid levels in lipopolysaccharides is described and applied to 24 different non-typeable *Haemophilus influenzae* strains.

Modeling of deoxy- and dideoxyaldohexopyranosyl ring puckering with MM3(92)

Carbohydr. Res. **2001**, 335, 261

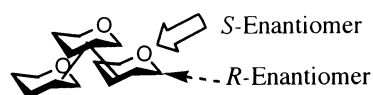
 William M. Rockey,^a Michael K. Dowd,^b Peter J. Reilly,^a Alfred D. French^b
^a*Department of Chemical Engineering, Iowa State University, Ames, IA 50011, USA*
^b*Southern Regional Research Center, U.S. Department of Agriculture, New Orleans, LA 70179, USA*

MM3(92) molecular modeling of seven deoxy- and dideoxyaldohexopyranoses allowed assignment of conformational ring forms, and the computed proton–proton coupling constants in general agreed with the experimental values.

Combinatorial evaluation of the chiral discrimination of permethylated carbohydrates using fast-atom bombardment mass spectrometry

Carbohydr. Res. **2001**, 335, 275

Motohiro Shizuma,^a Hiroshi Adachi,^b Yoshio Takai,^c
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The chiral discrimination abilities of many and various permethylated carbohydrates toward various amino acid ester salts was combinatorially evaluated using FAB mass spectrometry.

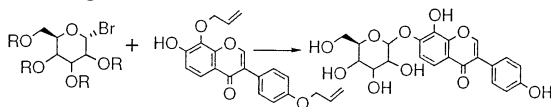
Synthesis and biological activity of 4',8-dihydroxyisoflavon-7-yl D-hexopyranosides

Carbohydr. Res. **2001**, 335, 283

Yukiko Watanabe, Masao Shiozaki, Reiko Kamegai

Exploratory Chemistry Research Laboratories, Sankyo Co., Ltd., Hiromachi 1-2-58, Shinagawa-ku, Tokyo 140-8710, Japan

4',8-Dihydroxyisoflavon-7-yl hexopyranosides were synthesized by the glucosidation of O-protected α -D-hexopyranosyl bromides and 4',8-diallyloxy-7-hydroxyisoflavone, and successive deprotection of hydroxy groups. Their biological activities toward rat liver α -glucosidase were much less than that of A-76202.

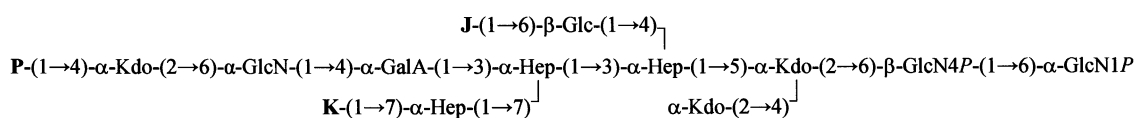


Structural analysis of the core region of the lipopolysaccharides from eight serotypes of *Klebsiella pneumoniae*

Carbohydr. Res. **2001**, 335, 291

Evgeny Vinogradov, Malcolm B. Perry

Institute for Biological Sciences, National Research Council, 100 Sussex Drive, Ottawa, Ont., Canada K1A 0R6



where P is H or α -Hep, J, K is H or β -GalA. Additional phosphate present in various amounts.

A water-soluble galactomannan from the seeds of *Phoenix dactylifera* L.

Carbohydr. Res. **2001**, 335, 297

Omar Ishrud, Muhammad Zahid, Hui Zhou, Yuanjiang Pan

Department of Chemistry, Zhejiang University, Hangzhou, 310027, China

The structure of a water-soluble galactomannan from the seeds of dates has been investigated and shown to contain a backbone of (1 \rightarrow 4)- β -D-mannopyranosyl residues, along with a single (1 \rightarrow 4)- α -D-galactopyranosyl residue.