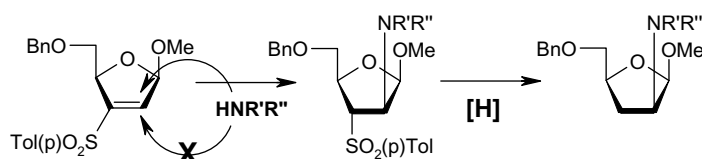


Contents

FULL PAPERS

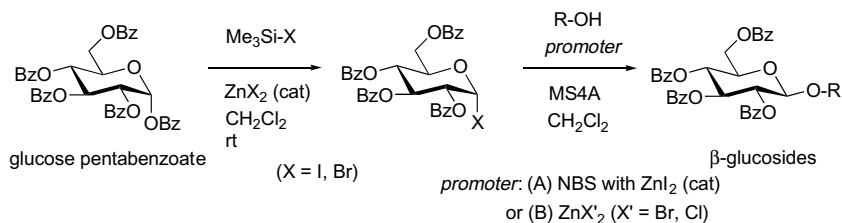
- Unusual addition of amines to C-2 of vinyl sulfone-modified- β -D-pent-2-enofuranosyl carbohydrates: synthesis of a new class of β -anomeric 2-amino-2,3-dideoxy-D-*threo*-pentofuranosides pp 1287–1296

Indrajit Das, Cheravakkattu G. Suresh, Jean-Luc Décout and Tanmaya Pathak*



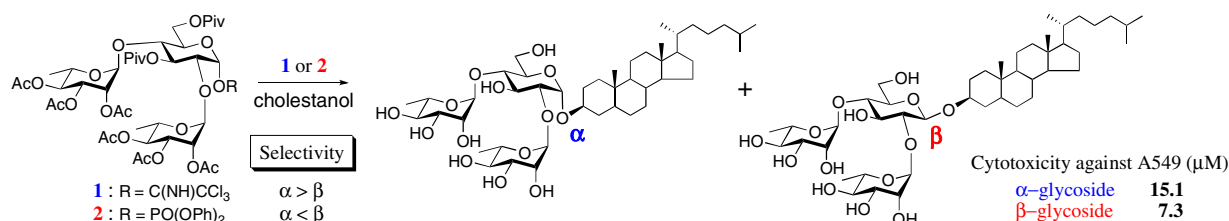
- Stereoselective glycosylations using benzoylated glucosyl halides with inexpensive promoters pp 1297–1308

Teiichi Murakami,* Yukari Sato and Motonari Shibakami



- Efficient synthesis of α - and β -chactriosyl glycosides using appropriate donors, and their cytotoxic activity pp 1309–1315

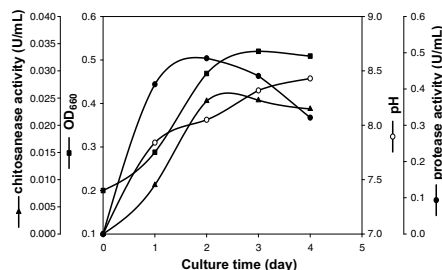
Hiroyuki Miyashita, Yuuki Kai, Toshihiro Nohara and Tsuyoshi Ikeda*



Purification and characterization of a chitosanase from *Serratia marcescens* TKU011

pp 1316–1323

San-Lang Wang,* Jo-Hua Peng, Tzu-Wen Liang and Kao-Cheng Liu

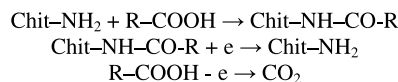


Time courses of chitosanase production in a culture of *Serratia marcescens* TKU011 on shrimp shell containing media: (●) protease activity (U/mL); (▲) chitosanase activity (U/mL); (○) pH; (■) OD₆₆₀.

Sorption of tartrate, citrate, and EDTA onto chitosan and its regeneration applying electrolysis

pp 1324–1332

O. Gylienė,* O. Nivinskienė and T. Vengris

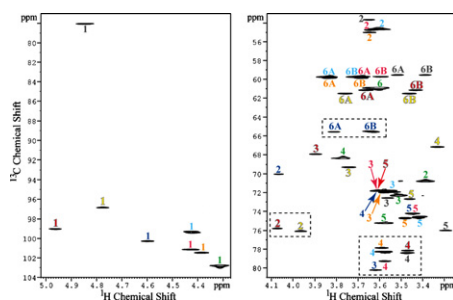


Tartrate, citrate, and EDTA are sorbed onto chitosan with forming amide bonds. Applying electrolysis enables to regenerate the chitosan after sorption, that is, to destroy amide bonds onto cathode and to oxidize the carboxylates onto anode.

2D Selective-TOCSY-DQFCOSY and HSQC-TOCSY NMR experiments for assignment of a homogeneous asparagine-linked triantennary complex type undecasaccharide

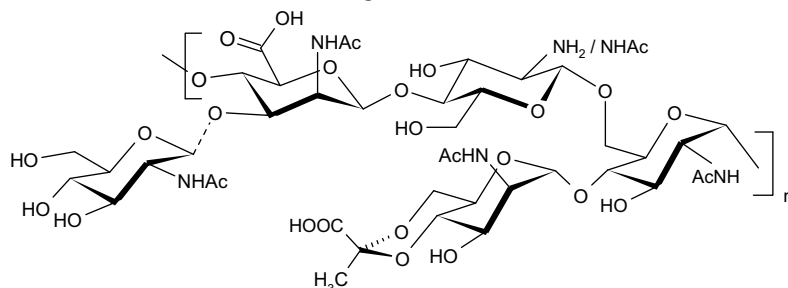
pp 1333–1345

Hajime Sato,* Kazuhiro Fukae and Yasuhiro Kajihara

**Structural characterization of the acid-degraded secondary cell wall polymer of *Geobacillus stearothermophilus* PV72/p2**

pp 1346–1358

Bent O. Petersen, Margit Sára, Christoph Mader, Harald F. Mayer, Uwe B. Sleytr, Martin Pabst, Michael Puchberger, Eberhard Krause, Andreas Hofinger, Jens Ø. Duus and Paul Kosma*



Artificial neural network aided estimation of the electrochemical signals of monosaccharides on gold electrode pp 1359–1365

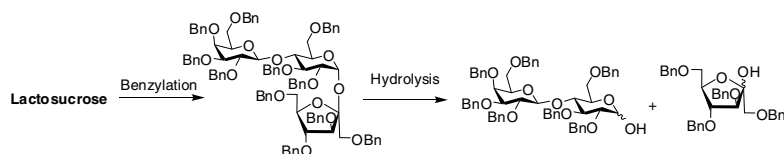
Fereydoon Gobal* and Amin Sadeghpour Dilmaghani

Two sets of descriptors derived through DFT calculations and geometric considerations are fed to artificial neural networks to predict electrochemical signals of monosaccharides.

NOTES

Preparation of partially benzylated mono-, di-, and trisaccharides by selective cleavage of the β -fructofuranosidic linkage in fully benzylated sucrose and sucrose-related oligosaccharides under acidic conditions pp 1366–1372

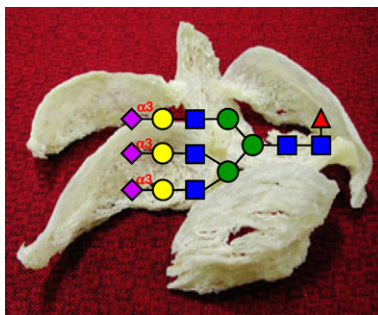
Takashi Yamanoi,* Noriko Misawa, Sho Matsuda and Mikio Watanabe



Other examples; raffinose, melezitose, stachyose and nystose.

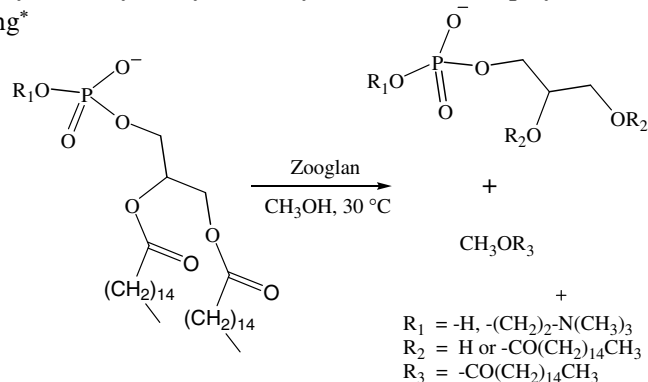
The expression of sialylated high-antennary N-glycans in edible bird's nest pp 1373–1377

Hirokazu Yagi, Naoko Yasukawa, Shin-Yi Yu, Chao-Tan Guo, Noriko Takahashi, Tadanobu Takahashi, Wakoto Bukawa, Takashi Suzuki, Kay-Hooi Khoo, Yasuo Suzuki and Koichi Kato*



Selective phospholipid methanolysis catalyzed by a weakly acidic microbial polysaccharide, zooglan pp 1378–1382

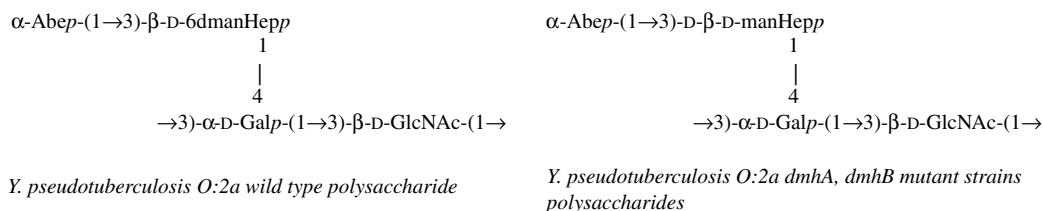
Sanghoo Lee and Seunho Jung*



Structural studies of the O-antigens of *Yersinia pseudotuberculosis* O:2a and mutants thereof with impaired 6-deoxy-D-manno-heptose biosynthesis pathway

pp 1383–1389

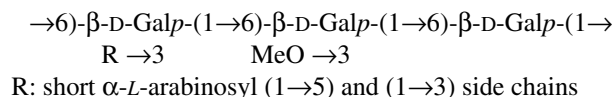
Anna N. Kondakova,* Nathan Ho, Olga V. Bystrova, Alexander S. Shashkov, Buko Lindner, Carole Creuzenet and Yuriy A. Knirel



An arabinogalactan containing 3-O-methyl-D-galactose residues isolated from the aerial parts of *Salvia officinalis* L.

pp 1390–1393

Peter Capek



*Corresponding author

+ Supplementary data available via ScienceDirect

COVER

The graphic represents a molecular dynamics simulation of water density around the disaccharide $\alpha\text{-D-Araf}-(1\rightarrow 5)\text{-}\alpha\text{-D-Araf-OCH}_3$, highlighting the interglycosidic linkage. The red clouds represent regions where the probability of finding an oxygen atom is high while the gray clouds are for hydrogen atoms. This work is the result of a collaboration in the Alberta Ingenuity Centre for Carbohydrate Science and Department of Chemistry at the University of Alberta between the groups of Pierre-Nicolas Roy and Todd L. Lowary (Castillo, N.; Roy, P. N.; Lowary, T. L. Manuscript in Preparation).

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