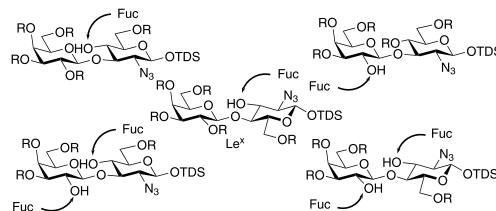


Synthesis of building blocks of human milk oligosaccharides. Fucosylated derivatives of the lacto- and neolacto-series

Carbohydr. Res. 2002, 337, 1333

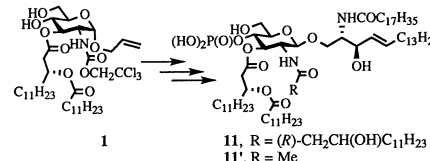
Barbara La Ferla,^a Davide Prosperi,^{a,c} Luigi Lay,^a Giovanni Russo,^{a,c} Luigi Panza^b^aDipartimento di Chimica Organica e Industriale, Università degli Studi di Milano, via G. Venezian, I-21-20133 Milan, Italy^bDipartimento di Scienze Chimiche, Alimentari, Farmaceutiche e Farmacologiche (DISCAFF), Università del Piemonte Orientale, viale Ferrucci, I-33-28100 Novara, Italy^cIstituto di Scienze e Tecnologie Molecolari, CNR, via G. Venezian, I-21-20133 Milan, Italy

Synthesis of ceramidated GLA-60 derivatives

Carbohydr. Res. 2002, 337, 1343

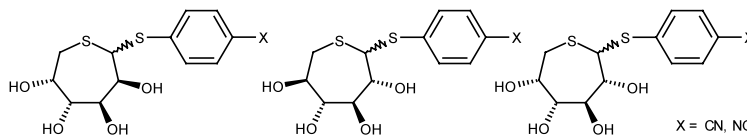
Tsuyoshi Nakamura,^a Masao Shiozaki,^a Shin-ichi Kurakata^b^aExploratory Chemistry Research Laboratories, Sankyo Co., Ltd., Hiromachi 1-2-58, Shinagawa-ku, Tokyo 140-8710, Japan^bBiological Research Laboratories, Sankyo Co., Ltd., Hiromachi 1-2-58, Shinagawa-ku, Tokyo 140-8710, Japan

Ceramidated GLA-60 derivatives **11** and **11'** were synthesized from **1**. Compound **11'** showed weak LPS-antagonistic activity without showing any LPS-agonistic activity.



Synthesis of 4-cyano and 4-nitrophenyl 1,6-dithio-D-manno-, L-ido- and D-glucoseptanosides possessing antithrombotic activity

Carbohydr. Res. 2002, 337, 1351

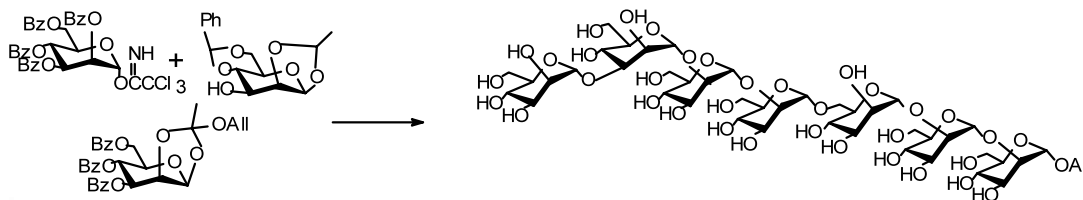
Éva Bozó,^a Tamás Gáti,^b Ádám Demeter,^a János Kuszmann^c^aChemical Works of Gedeon Richter Ltd., PO Box 27, H-1475 Budapest, Hungary^bTechnical University of Budapest, Institute of General and Analytical Chemistry, Szt. Gellért tér 4, H-1111 Budapest, Hungary^cInstitute for Drug Research, PO Box 82, H-1325 Budapest, Hungary

Synthesis of a mannose heptasaccharide of the pathogenic yeast, *Candida glabrata* IFO 0622 strain

Carbohydr. Res. 2002, 337, 1367

Youlin Zeng, Jianjun Zhang, Fanzuo Kong

Research Center for Eco-Environmental Sciences, Academia Sinica, Chinese Academy of Sciences, PO Box 2871, Beijing 100085, PR China

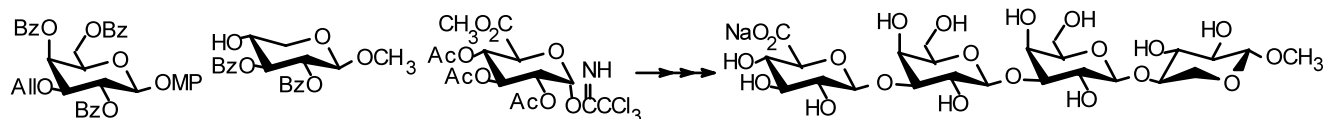


A practical synthesis of β -D-GlcA-(1 $\rightarrow$ 3)- β -D-Gal-(1 $\rightarrow$ 3)- β -D-Gal-(1 $\rightarrow$ 4)-D-Xyl, a part of the common linkage region of a glycosaminoglycan

Carbohydr. Res. **2002**, *337*, 1373

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Structure of the O-polysaccharide of *Aeromonas hydrophila* O:34; a case of random O-acetylation of 6-deoxy-L-talose

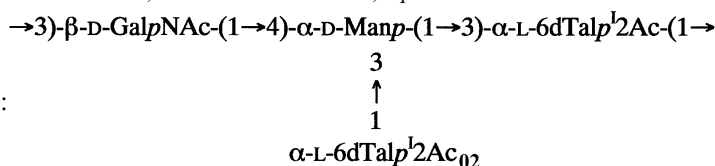
Carbohydr. Res. **2002**, *337*, 1381

Yuriy A. Knirel,^a Alexander S. Shashkov,^a Sof'ya N. Senchenkova,^a Susana Merino,^b Juan M. Tomás^b

^aN.D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, Leninsky Prospekt 47, Moscow 119991, Russia

^bDepartamento Microbiología, Facultad Biología, Universidad Barcelona, ES-08071 Barcelona, Spain

The O-polysaccharide of *Aeromonas hydrophila* O:34 was determined by chemical methods and NMR spectroscopy to have the following structure:



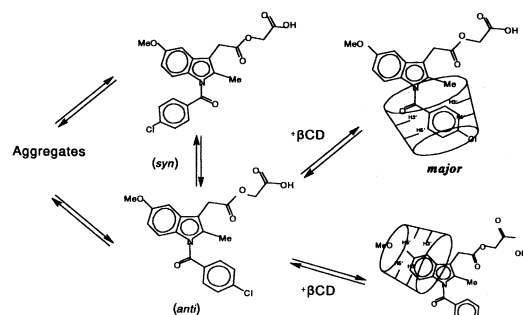
The self-association of the drug acetaminophen and its interactions and stabilization with β -cyclodextrin in aqueous solution as inferred from NMR spectroscopy and HPLC studies

Carbohydr. Res. **2002**, *337*, 1387

Dimitris Zouvelekis,^a Konstantina Yannakopoulou,^a Irene M. Mavridis,^a Ekaterini Antoniadou-Vyza^b

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Heterocyclization of 3-deoxy-D-erythro-hexos-2-ulose-1,2-bis(thiosemicarbazone). Crystal structure of the major diastereomer

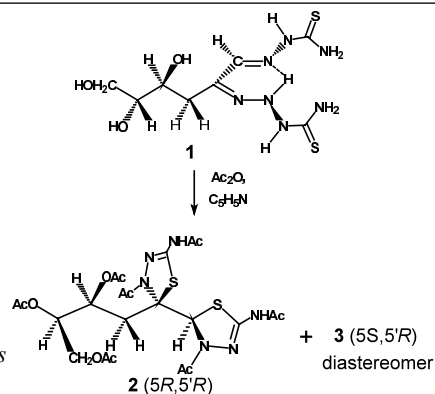
Carbohydr. Res. **2002**, *337*, 1397

Miriam A. Martins Alho,^a Ricardo Baggio,^b María T. Garland,^c Norma B. D'Accorso,^a Oscar Varela^a

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^bDepartamento de Física, Comisión Nacional de Energía Atómica, Avda. del Libertador 8250, 1429 Buenos Aires, Argentina

^cDepartamento de Física, Facultad de Ciencias Físicas y Matemáticas, Universidad de Chile y Centro para la Investigación Interdisciplinaria Avanzada en Ciencia de los Materiales, Avda. Blanco Encalada 2008, Casilla 487-3 Santiago, Chile



Interaction between carbohydrate residues of α_1 -acid glycoprotein (orosomucoid) and progesterone. A fluorescence study

Carbohydr. Res. **2002**, 337, 1405

Melanie De Ceukeleire, Jihad René Albani

Laboratoire de Biophysique Moléculaire, Université des Sciences et Technologies de Lille, Bâteaux C6, 59655 Villeneuve d'Ascq Cédex, France

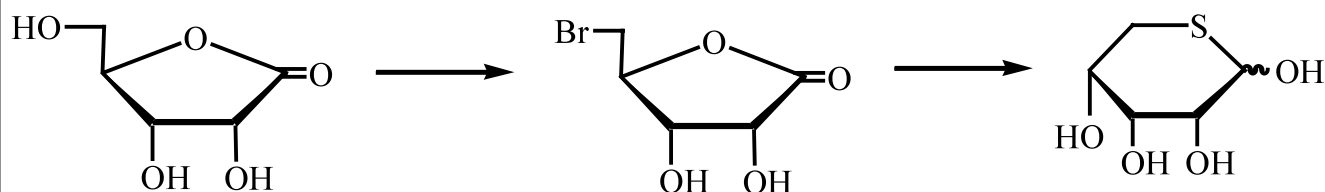
Binding studies between carbohydrate residues of α_1 -acid glycoprotein and progesterone were performed using fluorescence of calcofluor. The results confirm the presence of an area within the protein where the progesterone and the carbohydrate residues interact.

An improved synthesis of 5-thio-D-ribose from D-ribono-1,4-lactone

Carbohydr. Res. **2002**, 337, 1411

Jérôme Lalot, Imane Stasik, Gilles Demailly, Daniel Beaupère

Laboratoire des Glucides, Université de Picardie Jules Verne, 33 rue Saint-Leu, F-80039 Amiens, France



Structural characterization of a water-soluble β -D-glucan from fruiting bodies of *Agaricus blazei* Murr

Carbohydr. Res. **2002**, 337, 1417

Qun Dong,^a Jian Yao,^a Xiao-tong Yang,^b Ji-nian Fang^a

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