

Contents

Regular Papers

- The synthesis of five L-glycero-D-manno-heptose monophosphates
B. Grzeszczyk (Warsaw, Poland), O. Holst (Borstel, Germany) and A. Zamojski (Warsaw, Poland) 1
- The conversion of D-galactopyranosides into 2-amino-2-deoxy-D-talopyranosyl derivatives: Some new data
P.L. Barili, G. Berti, G. Catelani, F. D'Andrea and V. Di Bussolo (Pisa, Italy) 17
- Metal-chelating chitin derivatives via reaction of chitosan with nitrilotriacetic acid
V.E. Tikhonov, L.A. Radigina and Y.A. Yamskov (Moscow, Russia) 33
- Structural analysis of the lipopolysaccharide from *Vibrio cholerae* O139
A.D. Cox, J.-R. Brisson, V. Varma and M.B. Perry (Ottawa, Canada) 43

Notes

- Structural analysis of the O-antigen-core region of the lipopolysaccharide from *Vibrio cholerae* O139
A.D. Cox and M.B. Perry (Ottawa, Canada) 59
- Reexamination of the acetylation of apiitol in the determination of apiose
L. Cheng and P.K. Kindel (East Lansing, MI, USA) 67
- Synthesis of pyrido[2,3-*d*]pyrimidine (5-deazapteridine) C-nucleosides from a glycosyl enaminone
I. Maeba, Y. Nishiyama, M. Wakimura and T. Tabata (Nagoya, Japan) 71
- Intermolecular aglycon transfer of a phenyl 1-thiogalactosaminide derivative under trichloroacetimidate glycosylation conditions
F. Belot and J.-C. Jacquinet (Orléans, France) 79
- Preparation and biological activity of N-sulfonated chondroitin and dermatan sulfate derivatives
V.D. Nadkarni (Iowa City, IA, USA), T. Toida (Chiba, Japan), C.L. Van Gorp, R.L. Schubert (Cincinnati, OH, USA), J.M. Weiler, K.P. Hansen, E.E.O. Caldwell and R.J. Linhardt (Iowa City, IA, USA) 87
- Structural study of the polysaccharide isolated from *Spondias purpurea* gum exudate
G. León de Pinto, M. Martínez, J.A. Mendoza, D. Avila (Maracaibo, Venezuela), E. Ocando and C. Rivas (Caracas, Venezuela) 97

Announcement C1

Information for Authors C7

Regular Papers

Study of the inclusion complexes of aromatic molecules with cyclodextrins using ionspray mass spectrometry P. Cescutti (Trieste, Italy), D. Garozzo (Catania, Italy) and R. Rizzo (Trieste, Italy)	105
Fast atom bombardment mass spectrometry as a tool for the rapid determination of enantioselective binding of methylated cyclodextrins S.N. Davey, D.A. Leigh, J.P. Smart, L.W. Tetler and A.M. Truscello (Manchester, UK)	117
Structural analysis of 6-S-(benzoxazol-2-yl)-6-deoxy 1,2:3,4-di-O-isopropylidene-6-thio- α -D-galactopyranose by means of X-ray diffraction, high resolution NMR spectroscopy, and molecular modelling M.T. Lakin (Utrecht, The Netherlands), N. Mouhous-Riou (Nantes, France), C. Lorin, P. Rollin (Orléans, France), J. Kroon (Utrecht, The Netherlands) and S. Pérez (Nantes, France)	125
^{13}C , ^{15}N CP MAS and high resolution multinuclear NMR study of methyl 3,4,6-tri-O-acetyl-2-(3'-aryluroido)-2-deoxy- β -D-glucopyranosides I. Wawer, B. Piekarska-Bartoszewicz and A. Temeriusz (Warszawa, Poland)	137
Synthesis and characterization of tyramine-derivatized (1 $\rightarrow$ 4)-linked α -D-oligogalacturonides M.D. Spiro (University Park, PA, USA), B.L. Ridley, J. Glushka, A.G. Darvill and P. Albersheim (Athens, GA, USA)	147
Synthesis of 6-deoxy-5-thio-D-glucose É. Bozó, S. Boros, J. Kuszmann and E. Gács-Baitz (Budapest, Hungary)	159
Structure determination of a novel uronic acid residue isolated from the exopolysaccharide produced by a bacterium originating from deep sea hydrothermal vents G. Dubreucq, B. Domon and B. Fournet (Villeneuve d'Ascq, France)	175
Structural characterization of red wine rhamnogalacturonan II P. Pellerin, T. Doco, S. Vidal, P. Williams, J.-M. Brillouet (Montpellier, France) and M.A. O'Neill (Athens, GA, USA)	183
Model studies on methyl amyloses: correlation between reaction conditions and primary structure P. Mischneck (Hamburg, Germany) and G. Kühn (Berlin, Germany)	199
A direct enzymatic synthesis of β -D-galactopyranosyl-D-xylopyranosides and their use to evaluate rat intestinal lactase activity in vivo J.J. Aragón, F.J. Cañada, A. Fernández-Mayoralas, R. López, M. Martín-Lomas and D. Villanueva (Madrid, Spain).	209
Influenza A and Sendai viruses preferentially bind to fucosylated gangliosides with linear poly-N-acetylglucosaminyl chains from human granulocytes J. Müthing (Bielefeld, Germany)	217
<i>Notes</i>	
Synthesis of glycolipids: dialkyl N-[N-(4-lactonamidobutyl)succinamoyl]-L-glutamates Z. Zhang, K. Fukunaga, Y. Sugimura, K. Nakao (Tokiwadai, Japan) and T. Shimizu (Tsukuba, Japan).	225

One-step glycosylation and selective deprotection of peracetylated monosaccharides for facile syntheses of allyl glycosides with a free C-2 hydroxyl group M.-Z. Liu, H.-N. Fan, Z.-W. Guo and Y.-Z. Hui (Shanghai, People's Republic of China)	233
<i>Author Index</i>	C9
<i>Subject Index</i>	C11
<i>Contents</i>	C15