

Subject index

- Absolute configuration**
First total synthesis of two new diglycosides, neohancosides A and B, from *Cynanchum hancockianum* 123
- Acinetobacter baumannii***
Structure of the O18 antigen from *Acinetobacter baumannii* 187
- Alginate**
Dielectric analysis of food polysaccharides in aqueous solution 51
- L-Altrose**
Structural studies of the extracellular polysaccharide from *Butyrivibrio fibrisolvens* strain CF3 193
- Amadori compound**
Amadori products from model reactions of D-glucose with phosphatidyl ethanolamine — Independent synthesis and identification of 1-deoxy-1-(2-hydroxyethylamino)-D-fructose derivatives 111
- Amino acid ester isocyanate**
Synthesis of novel amino acid glycoside conjugates 145
- Amino acid glycoconjugates**
Synthesis of novel amino acid glycoside conjugates 145
- 1,6-Anhydro-3,4-dideoxy- α -D-glycero-hex-3-enopyranos-2-ulose**
Thiosugars II. A novel approach to thiodisaccharides. The synthesis of 3-deoxy-4-thiocellobiose from levoglucosenone 167
- Antigen**
Structure of the ^{13}C -enriched O-deacetylated glucuronoxylomannan of *Cryptococcus neoformans* serotype A determined by NMR spectroscopy 33
- O-Antigen**
Structure of the O-specific polysaccharide of *Salmonella enterica* ssp. *arizonae* O50 (Arizona 9a,9b) 61
- Arabinogalactan**
Development of an immunoassay for larch arabinogalactan and its use in the detection of larch arabinogalactan in rat blood 69
New molecular weight forms of arabinogalactan from *Larix occidentalis* 89
- 2-Azido-2-deoxy-5-thio-D-xylose**
Synthesis of 4-cyanophenyl 2-azido-2-deoxy- and 3-azido-3-deoxy-1,5-dithio- β -D-xylopyranosides 23
- 3-Azido-3-deoxy-5-thio-D-xylose**
Synthesis of 4-cyanophenyl 2-azido-2-deoxy- and 3-azido-3-deoxy-1,5-dithio- β -D-xylopyranosides 23
- Azidonitration reaction**
Synthesis of 4-cyanophenyl 2-azido-2-deoxy- and 3-azido-3-deoxy-1,5-dithio- β -D-xylopyranosides 23
- Bacterial polysaccharide**
Structural studies of the extracellular polysaccharide from *Butyrivibrio fibrisolvens* strain CF3 193
- Bacterial polysaccharide, structure**
Structure of the O-specific polysaccharide of *Salmonella enterica* ssp. *arizonae* O50 (Arizona 9a,9b) 61
- Butyllithium**
 α -Hydrogen elimination in some 3- and 4-triflates of α -D-glycopyranosides 77
- Butyrivibrio fibrisolvens***
Structural studies of the extracellular polysaccharide from *Butyrivibrio fibrisolvens* strain CF3 193
- Carbene**
 α -Hydrogen elimination in some 3- and 4-triflates of α -D-glycopyranosides 77
- (1-Carboxyethyl)-galactose**
Structural studies of the extracellular polysaccharide from *Butyrivibrio fibrisolvens* strain CF3 193
- (1-Carboxyethyl)-glucose**
Structural studies of the extracellular polysaccharide from *Butyrivibrio fibrisolvens* strain CF3 193
- κ -Carrageenan**
Dielectric analysis of food polysaccharides in aqueous solution 51
- Cell walls**
Detection and homogeneity of cell wall pectic polysaccharides of *Lemna minor* 205
- ^{13}C Labeling, Structure**
Structure of the ^{13}C -enriched O-deacetylated glucuronoxylomannan of *Cryptococcus neoformans* serotype A determined by NMR spectroscopy 33
- ^{13}C NMR edited ROESY**
NMR experiments for the detection of NOEs and scalar coupling constants between equivalent protons in trehalose-containing molecules 5
- Combretastatin glucosides**
Synthesis of biologically active polyphenolic glycosides (combretastatin and resveratrol series) 95
- Correlation length**
Dielectric analysis of food polysaccharides in aqueous solution 51
- Counterion fluctuation**
Dielectric analysis of food polysaccharides in aqueous solution 51
- α -, β -, and γ -Cyclodextrin**
Thermodynamics of the hydrolysis and cyclization reactions of α -, β -, and γ -cyclodextrin 11
- Cyclomaltodextrin glucanotransferase**
Thermodynamics of the hydrolysis and cyclization reactions of α -, β -, and γ -cyclodextrin 11
- Deoxyfluoro sugars**
Two isosteric fluorinated derivatives of the powerful glucosidase inhibitors, 1-deoxynojirimycin and 2,5-dideoxy-2,5-imino-D-mannitol: Syntheses and glycosidase-inhibitory activities of 1,2,5-trideoxy-2-fluoro-1,5-imino-D-glucitol and of 1,2,5-trideoxy-1-fluoro-2,5-imino-D-mannitol 155
- 1-Deoxy-1-(2-hydroxyethylamino)-D-fructose derivatives**
Amadori products from model reactions of D-glucose with phosphatidyl ethanolamine — Independent synthesis and identification of 1-deoxy-1-(2-hydroxyethylamino)-D-fructose derivatives 111
- 3-Deoxythiocellobiose**
Thiosugars II. A novel approach to thiodisaccharides. The synthesis of 3-deoxy-4-thiocellobiose from levoglucosenone 167
- Deuterated compound**
 α -Hydrogen elimination in some 3- and 4-triflates of α -D-glycopyranosides 77
- Deuterium isotope effect**
 α -Hydrogen elimination in some 3- and 4-triflates of α -D-glycopyranosides 77

- 3,6-Dideoxy-L-xylo-hexose (colitose)
Structure of the O-specific polysaccharide of *Salmonella enterica* ssp. *arizonae* O50 (Arizona 9a,9b) 61
- Dielectric relaxation
Dielectric analysis of food polysaccharides in aqueous solution 51
- 2D NMR spectroscopy
Structure of the ^{13}C -enriched O-deacetylated glucuronoxylomannan of *Cryptococcus neoformans* serotype A determined by NMR spectroscopy 33
- α -Elimination
 α -Hydrogen elimination in some 3- and 4-triflates of α -D-glycopyranosides 77
- Enterobacteria
Structure of the O-specific polysaccharide of *Salmonella enterica* ssp. *arizonae* O50 (Arizona 9a,9b) 61
- Enthalpies of reaction
Thermodynamics of the hydrolysis and cyclization reactions of α -, β -, and γ -cyclodextrin 11
- Equilibrium constants
Thermodynamics of the hydrolysis and cyclization reactions of α -, β -, and γ -cyclodextrin 11
- Exopolysaccharide structure
Structural characterisation of the exocellular polysaccharide produced by *Streptococcus thermophilus* OR 901 41
- Ganglioside analogue
Chemoenzymatic synthesis of a trimeric ganglioside GM₃ analogue 1
- Gel filtration
New molecular weight forms of arabinogalactan from *Larix occidentalis* 89
- GHMBC
Structure of the ^{13}C -enriched O-deacetylated glucuronoxylomannan of *Cryptococcus neoformans* serotype A determined by NMR spectroscopy 33
- D-Glucose acetals
Synthesis of iodobenzylidene and iodoethylidene acetals of D-glucose 225
- Glucose isomerase
Two isosteric fluorinated derivatives of the powerful glucosidase inhibitors, 1-deoxynojirimycin and 2,5-dideoxy-2,5-imino-D-mannitol: Syntheses and glycosidase-inhibitory activities of 1,2,5-trideoxy-2-fluoro-1,5-imino-D-glucitol and of 1,2,5-trideoxy-1-fluoro-2,5-imino-D-mannitol 155
- Glucosidase inhibitors
Two isosteric fluorinated derivatives of the powerful glucosidase inhibitors, 1-deoxynojirimycin and 2,5-dideoxy-2,5-imino-D-mannitol: Syntheses and glycosidase-inhibitory activities of 1,2,5-trideoxy-2-fluoro-1,5-imino-D-glucitol and of 1,2,5-trideoxy-1-fluoro-2,5-imino-D-mannitol 155
- GluT
Synthesis of iodobenzylidene and iodoethylidene acetals of D-glucose 225
- Glycosidation reactions
Synthesis of 4-cyanophenyl 2-azido-2-deoxy- and 3-azido-3-deoxy-1,5-dithio- β -D-xylopyranosides 23
- Haloacetals
Synthesis of iodobenzylidene and iodoethylidene acetals of D-glucose 225
- HCCH-COSY
Structure of the ^{13}C -enriched O-deacetylated glucuronoxylomannan of *Cryptococcus neoformans* serotype A determined by NMR spectroscopy 33
- HCCH-TOCSY
Structure of the ^{13}C -enriched O-deacetylated glucuronoxylomannan of *Cryptococcus neoformans* serotype A determined by NMR spectroscopy 33
- Homogeneity
Detection and homogeneity of cell wall pectic polysaccharides of *Lemna minor* 205
- HSQC
Structure of the ^{13}C -enriched O-deacetylated glucuronoxylomannan of *Cryptococcus neoformans* serotype A determined by NMR spectroscopy 33
- 8-Hydroxylinalool
First total synthesis of two new diglycosides, neohancosides A and B, from *Cynanchum hancockianum* 123
- Immunoassay
Development of an immunoassay for larch arabinogalactan and its use in the detection of larch arabinogalactan in rat blood 69
New molecular weight forms of arabinogalactan from *Larix occidentalis* 89
- Inhibitory activity
Two isosteric fluorinated derivatives of the powerful glucosidase inhibitors, 1-deoxynojirimycin and 2,5-dideoxy-2,5-imino-D-mannitol: Syntheses and glycosidase-inhibitory activities of 1,2,5-trideoxy-2-fluoro-1,5-imino-D-glucitol and of 1,2,5-trideoxy-1-fluoro-2,5-imino-D-mannitol 155
- Iodine labelling
Synthesis of iodobenzylidene and iodoethylidene acetals of D-glucose 225
- Lactic acid bacteria
Structural characterisation of the exocellular polysaccharide produced by *Streptococcus thermophilus* OR 901 41
- Lemnaceae
Detection and homogeneity of cell wall pectic polysaccharides of *Lemna minor* 205
- Lemna minor*
Detection and homogeneity of cell wall pectic polysaccharides of *Lemna minor* 205
- Levogluconenone
Thiosugars II. A novel approach to thiodisaccharides. The synthesis of 3-deoxy-4-thiocellobiose from levogluconenone 167
- Light scattering
New molecular weight forms of arabinogalactan from *Larix occidentalis* 89
- Linalool
First total synthesis of two new diglycosides, neohancosides A and B, from *Cynanchum hancockianum* 123
- Lipopolysaccharide
Structure of the O-specific polysaccharide of *Salmonella enterica* ssp. *arizonae* O50 (Arizona 9a,9b) 61
Structure of the O18 antigen from *Acinetobacter baumannii* 187
- Long range heteronuclear coupling constants
NMR experiments for the detection of NOEs and scalar coupling constants between equivalent protons in trehalose-containing molecules 5
- Maillard reaction
Amadori products from model reactions of D-glucose with phosphatidyl ethanolamine — Independent synthesis and identification of 1-deoxy-1-(2-hydroxyethylamino)-D-fructose derivatives 111
- Melanoma antigen
Chemoenzymatic synthesis of a trimeric ganglioside GM₃ analogue 1
- Methylolithium
 α -Hydrogen elimination in some 3- and 4-triflates of α -D-glycopyranosides 77
- Michael additions
Thiosugars II. A novel approach to thiodisaccharides. The synthesis of 3-deoxy-4-thiocellobiose from levogluconenone 167
- Molecular weight
New molecular weight forms of arabinogalactan from *Larix occidentalis* 89

- Multivalent
Chemoenzymatic synthesis of a trimeric ganglioside GM₃ analogue 1
- NMR data
Structural characterisation of the exocellular polysaccharide produced by *Streptococcus thermophilus* OR 901 41
- Non-anomeric
Synthesis of novel amino acid glycoside conjugates 145
- O18 Antigen, structure
Structure of the O18 antigen from *Acinetobacter baumannii* 187
- Oral antithrombotic activity
Synthesis of 4-cyanophenyl 2-azido-2-deoxy- and 3-azido-3-deoxy-1,5-dithio- β -D-xylopyranosides 23
- Pectic polysaccharides
Detection and homogeneity of cell wall pectic polysaccharides of *Lemna minor* 205
- Pectic substances
Extraction of pectic substances from dehulled rapeseed 177
- Pharmacokinetics
Development of an immunoassay for larch arabinogalactan and its use in the detection of larch arabinogalactan in rat blood 69
- Phosphatidyl ethanolamine
Amadori products from model reactions of D-glucose with phosphatidyl ethanolamine — Independent synthesis and identification of 1-deoxy-1-(2-hydroxyethylamino)-D-fructose derivatives 111
- Piceid
Synthesis of biologically active polyphenolic glycosides (combretastatin and resveratrol series) 95
- Polyphenolic glucosides
Synthesis of biologically active polyphenolic glycosides (combretastatin and resveratrol series) 95
- Polysaccharide
Structure of the ¹³C-enriched O-deacetylated glucuronoxylomannan of *Cryptococcus neoformans* serotype A determined by NMR spectroscopy 33
- Proton 1,2-shift
 α -Hydrogen elimination in some 3- and 4-triflates of α -D-glycopyranosides 77
- Rapeseed
Extraction of pectic substances from dehulled rapeseed 177
- Resveratrol 3- β -D-glucoside
Synthesis of biologically active polyphenolic glycosides (combretastatin and resveratrol series) 95
- Salmonella enterica* ssp. *arizonae*
Structure of the O-specific polysaccharide of *Salmonella enterica* ssp. *arizonae* O50 (*Arizona* 9a,9b) 61
- Scaling law
Dielectric analysis of food polysaccharides in aqueous solution 51
- Selective pulses
NMR experiments for the detection of NOEs and scalar coupling constants between equivalent protons in trehalose-containing molecules 5
- α -(2 \rightarrow 3)-Sialyltransferase
Chemoenzymatic synthesis of a trimeric ganglioside GM₃ analogue 1
- SPECT
Synthesis of iodobenzylidene and iodoethylidene acetals of D-glucose 225
- Streptococcus thermophilus*
Structural characterisation of the exocellular polysaccharide produced by *Streptococcus thermophilus* OR 901 41
- Succinimide
Synthesis of novel amino acid glycoside conjugates 145
- Sugar disulfide
A simple synthesis of sugar disulfides using tetrathiomolybdate as a sulfur-transfer reagent 221
- Sulfur-transfer reagent
A simple synthesis of sugar disulfides using tetrathiomolybdate as a sulfur-transfer reagent 221
- Symmetry
NMR experiments for the detection of NOEs and scalar coupling constants between equivalent protons in trehalose-containing molecules 5
- Terpene diglycosides
First total synthesis of two new diglycosides, neohancosides A and B, from *Cynanchum hancockianum* 123
- Tetrathiomolybdate
A simple synthesis of sugar disulfides using tetrathiomolybdate as a sulfur-transfer reagent 221
- Thermodynamics
Thermodynamics of the hydrolysis and cyclization reactions of α -, β -, and γ -cyclodextrin 11
- Thioglycosides
Synthesis of 4-cyanophenyl 2-azido-2-deoxy- and 3-azido-3-deoxy-1,5-dithio- β -D-xylopyranosides 23
- Thiosugars
Thiosugars II. A novel approach to thiodisaccharides. The synthesis of 3-deoxy-4-thiocellobiose from levoglucosenone 167
- Trehalose
NMR experiments for the detection of NOEs and scalar coupling constants between equivalent protons in trehalose-containing molecules 5
- Triflate
 α -Hydrogen elimination in some 3- and 4-triflates of α -D-glycopyranosides 77
- Unsaturation
 α -Hydrogen elimination in some 3- and 4-triflates of α -D-glycopyranosides 77