

SUBJECT INDEX

- Achatinin_H, a sialic acid-binding lectin from *Achatina fulica*, specificity of the binding site of, 115
- Alkylation of cellulose in LiCl/Me₂SO solvent with dimsyl sodium activation, 319
- Alpha-amylase I and II from porcine pancreas, subsite mapping using 4-nitrophenyl- α -maltooligosaccharides, subsite mapping of porcine pancreatic, 267
- Amylopectin, fructose-grafted amylose and, 201
- Amylose and amylopectin, fructose-grafted, 201
- Amylose inclusion complexes with fatty acids, some factors determining the thermal properties of, 233
- Anomalous Zemlén deacylation of protected methyl 2-deoxy- α -D-arabino-hexopyranosides and related methyl α -isomaltosides and α -isomaltotrioses, 135
- α -L-Arabinofuranan: synthesis of the core trisaccharide, 307
- (1 \rightarrow 5)- α -L-Arabino-oligosaccharides degradation pattern analysis with endo-(1 \rightarrow 5)- α -L-arabinase and high-performance anion-exchange chromatography with pulsed amperometric detection, 151
- Azides, synthesis of methyl (D-glycopyranosyl-azide)uronates by oxidation of glycosyl, 85
- Cellobiohydrolase I from *Trichoderma reesei* QM 9414, thermal inactivation, 257
- Cellulose, alkylation of, in LiCl/Me₂SO solvent with dimsyl sodium activation, 319
- Cellulose, dissolution in LiCl/Me₂SO, 319
- Chitosan, the effect of N-substitution on hydrolysis by an endo-chitosanase, 143
- Cobalt(III) with D-fructose and phenanthroline, complexes of, 1
- Complexes of cobalt(III) with D-fructose and phenanthroline, 1
- Core trisaccharide of α -L-arabinofuranan: synthesis of methyl 3,5-di-O- α -L-arabinofuranosyl- α -L-arabinofuranoside, 307
- Cross-linked polysaccharides, syntheses of some model compounds with cyclic substituents, 47
- Crystal and molecular structure of 4-cyanophenyl 5-thio- β -D-xylopyranoside, the, 127
- Cyclic thiocarbamates and isothiocyanates of α , α' -trehalose, sucrose, and cyclomaltooligosaccharides, 57
- Cyclodextrins, stereoselective thermal transfer of fructose from sucrose to, 209
- Cyclo-glycosylation of a (1 \rightarrow 4)-linked glycooctose and glycodecaose: synthesis of cyclo-lactooctose and cyclo-lactodecaose, C1
- Cyclo-lactodecaose, cyclo-glycosylation of a (1 \rightarrow 4)-linked glycooctose and glycodecaose: synthesis of cyclo-lactooctose and, C1
- Cyclo-lactooctose and cyclo-lactodecaose, cyclo-glycosylation of a (1 \rightarrow 4)-linked glycooctose and glycodecaose: synthesis of, C1
- Deoxygenated analogues of the methyl α -glycoside of the intracatenary monosaccharide repeating unit of the O-polysaccharide of *Vibrio cholerae* O:1, synthesis, 73
- Deoxygenated (at position C-2) α -isomaltoligosaccharides, synthesis of methyl glycosides of, 35
- 4'-Deoxy- α -maltosyl fluoride and 4"-deoxy- α -maltotriosyl fluoride as probes of α -glucanotransferase mechanisms, synthesis of, 93
- 4"-Deoxy- α -maltotriosyl fluoride as probes of α -glucanotransferase mechanisms, synthesis of 4'-deoxy- α -maltosyl fluoride and, 93
- 3,5-Di-O- α -L-arabinofuranosyl- α -L-arabinoside, methyl, synthesis, 307
- Disialyl lactose from buffalo colostrum, isolation and characterization of, 313
- Endo-(1 \rightarrow 5)- α -L-arabinase degradation patterns of linear (1 \rightarrow 5)- α -L-arabino-oligosaccharides by high-performance anion-ex-

- change chromatography with pulsed amperometric detection, 151
- Epichlorohydrin, syntheses of some model compounds with cyclic substituents for the reaction with polysaccharides, 47
- Fatty acids, some factors determining the thermal properties of amylose inclusion complexes, 233
- Fructose and phenanthroline, complexes of cobalt(III) and D-, 1
- Fructose-grafted amylose and amylopectin, 201
- Furanoid glycal, use in the synthesis of *cis*-fused bicyclic acetals employing radical reactions, 287
- α -Glucanotransferase mechanisms, synthesis of 4'-deoxy- α -maltosyl fluoride and 4''-deoxy- α -maltotriosyl fluoride as probes of, 93
- (α -D-Glucopyranosyl)phenylacetylene, synthesis and reactions, 177
- Glycal, use of a furanoid, in the synthesis of *cis*-fused bicyclic acetals, 287
- Glycocodecose: synthesis of cyclo-*lactoo*ctase and cyclo-*lacto*decaose, cyclo-glycosylation of a (1 \rightarrow 4)-linked glycooctase and, C1
- Glycooctase and glycocodecose: synthesis of cyclo-*lactoo*ctase and cyclo-*lacto*decaose, cyclo-glycosylation of a (1 \rightarrow 4)-linked, C1
- Glycopeptides, solid-phase synthesis using new glycosyl amino acids, 17
- (D-Glucopyranosyl azide)uronates, synthesis of methyl, 85
- Glycosyl amino acids, preparation and use in solid-phase synthesis of multiply glycosylated mucin peptides, 17
- Heparin pentasaccharide dynamics in aqueous solution studied by NMR relaxation measurements, 159
- Hex-3-enpyranoside derivative having a peroxy group and its reactions with some nucleophiles, preparation of methyl 3-C-nitro- α -D-*threo*-, 107
- Hexopyranosides and related oligosaccharide glycosides, anomalous Zemlén deacylation of protected methyl 2-deoxy-, 135
- N-Hexopyranosyl-2-pyridones and -2-pyridinethiones, synthesis of some, 295
- Hydrolysis of chitosan by an endo-chitosanase, the effect of N-substitution, 143
- D-Isomalto oligosaccharides specifically deoxygenated at position C-2, synthesis of methyl glycosides of, 35
- Isothiocyanates and cyclic thiocarbamates of α , α' -trehalose, sucrose, and cyclomaltooligosaccharides, 57
- Kinetic study of the hydrolysis of chitosan and derivatives by an endo-chitosanase, 143
- Lectin from *Achatina fulica*, specificity of the binding site of Achatinin_H, a sialic acid-binding, 115
- Lipopolysaccharide from *Yersinia enterocolitica* serovar O:10, structural studies of O-specific polysaccharide chains, 249
- Methyl O-(2-acetamido-2-deoxy-3-O-sulfo- β -D-glucopyranosyl sodium salt)-(1 \rightarrow 3)- β -D-galactopyranoside, synthesis of, 279
- Methyl O-(2-acetamido-2-deoxy-4-O-sulfo- β -D-glucopyranosyl sodium salt)-(1 \rightarrow 3)- β -D-galactopyranoside, synthesis of, 279
- Methyl O-(2-acetamido-2-deoxy-6-O-sulfo- β -D-glucopyranosyl sodium salt)-(1 \rightarrow 3)- β -D-galactopyranoside, synthesis of, 279
- Methyl 4,6-O-benzylidene-2-deoxy-2-dimethylamino- α -D-altropyranoside N-oxide, synthesis of sugar pyrrolidine derivatives from, 301
- Methyl (D-glycopyranosyl azide)uronates, synthesis, 85
- Methyl glycosides of some D-isomalto oligosaccharides specifically deoxygenated at position C-2, synthesis, 35
- Molecular structure of 4-cyanophenyl 5-thio- β -D-xylopyranoside, the crystal and, 127
- 4-Nitrophenyl- α -maltooligosaccharides in the subsite mapping of porcine pancreatic α -amylase I and II using, 267
- Nucleosides, synthesis of some 3-deazapyrimidine, using 2-pyridones and 2-pyridinethiones, 295
- Odor bouquet minor components of *Paravespula vulgaris*, synthesis of a mixture of (2*S*,5*R*)- and (2*S*,5*S*)-methyl-1,6-dioxaspiro 4.5 decane, the odor bouquet minor components of *Paravespula vulgaris* (L.) from L-sorbose, 187
- Pachymenia lusoria*, structural analysis of the polysaccharide from the red seaweed, 219
- Peroxy group and its reactions with some nucleophiles, preparation of methyl 3-C-nitro- α -D-*threo*-hex-3-enpyranoside having a, 107
- Phenylacetylene, α -D-glucopyranosyl, synthesis and reactions, 177

- Polysaccharide chains of the lipopolysaccharide from *Yersinia enterocolitica* serovar O:10, structural studies of O-specific, 249
- Polysaccharide from *Pachymenia lusoria* (Cryptonemiaceae, Rhodophyta), structural analysis, 219
- O-Polysaccharide of *Vibrio cholerae* O:1, synthesis of specifically deoxygenated analogues of the methyl α -glycoside of the intracatenary monosaccharide repeating unit, 73
- Polysaccharides, syntheses of some model compounds with cyclic substituents for the reaction with epichlorohydrin, 47
- Preparation of methyl 3-C-nitro- α -D-threo-hex-3-enopyranoside having a peroxy group and its reactions with some nucleophiles, 107
- 2-Pyridones and 2-pyridinethiones, synthesis of some N-hexopyranosyl-, 295
- Pyrrolidine derivatives from methyl 4,6-O-benzylidene-2-deoxy-2-dimethylamino- α -D-altropyranoside N-oxide, synthesis of sugar, 301
- Radical reactions, use of a furanoid glycol for the synthesis of cis-fused cyclic acetals, 287
- Red seaweed *Pachymenia lusoria*, structural analysis of the polysaccharide extract, 219
- Solid-phase glycopeptide synthesis, preparation of new glycosyl amino acids and their application in, 17
- Specificity of the binding site of Achatinin_H, a sialic acid-binding lectin from *Achatina fulica*, 115
- Stereoselective thermal transfer of fructose from sucrose to cyclodextrins, 209
- Structure of 4-cyanophenyl 5-thio- β -D-xylopyranoside, the crystal and molecular, 127
- Thermal inactivation of cellobiohydrolase I from *Trichoderma reesei* QM 9414, 257
- Thermal properties of amylose inclusion complexes with fatty acids, some factors determining, 233
- 5-Thio- β -D-xylopyranoside, the crystal and molecular structure of 4-cyanophenyl, 127
- Transfer of fructose from sucrose to cyclodextrins, stereoselective thermal, 209
- α,α' -Trehalose, sucrose, and cyclomaltooligosaccharides, isothiocyanates and cyclic thiocarbamates of, 57
- Trichoderma reesei* QM 9414, thermal inactivation of cellobiohydrolase I from, 257
- Vibrio cholerae* O:1, synthesis of specifically deoxygenated analogues of the methyl α -glycoside of the intracatenary monosaccharide repeating unit of the O-polysaccharide of, 73
- Yersinia enterocolitica* serovar O:10, structural studies of O-specific polysaccharide chains of the lipopolysaccharide, 249
- Zemplén deacylation of protected methyl 2-deoxyhexopyranosides and related oligosaccharide glycosides, anomalous, 135