## **SUBJECT INDEX**

- Acetylglucosaminidase H using a native glycoenzyme as substrate, a sensitive assay for endo-β-N-, 293
- Acylation and alkylation, regioselective, of carbohydrates engaged in metal complexes, 111
- Aldofuranoses and aldopyranoses, per-O-benzoylated, mass spectra of some, 43
- Aldotriouronic acid obtained from birch wood, 2D-n.m.r. analysis of the structure of an, 1
- Analysis of carrageenan from *Hypnea musciformis* by using  $\kappa$  and  $\iota$ -carrageenanases and <sup>13</sup>C-n.m.r. spectroscopy, 189
- Analysis of O-methylinositols by gas-liquid chromatography-mass spectrometry, 21
- Anhydroalditols in the sugar analysis of methanolysates of alditols and oligosaccharidealditols, 149
- Assay for endo-β-N-acetylglucosaminidase H using a native glycoenzyme as substrate, a sensitive, 293
- Cane sugar, a galactomannan in carbonated-beverage floc from raw, 159
- Carbohydrates, engaged in metal complexes, regioselective alkylation and acylation of, 111
- Carrageenan, from *Hypnea musciformis*, analysis of, by using κ- and ι-carrageenanases and <sup>13</sup>C-n.m.r. spectroscopy, 189
- Chemical modification and serological properties of the 3-deoxy-α-D-manno-2-octulosonic acidcontaining polysaccharide from Escherichia coli LP1092, 243
- Chiral synthons from levoglucosenone: short routes for (-)-δ-multistriatin and (+)-Prelog-Djerassi lactonic acid, 73
- Circular dichroism spectra, of *C*-nucleoside 1,2,3-osotriazole analogs, correlation with their anomeric configuration, 33
- Complexes of cyclohexaamylose with indole, inclusion, 278
- Cord-factor analogs: synthesis of 6,6'-di-O-mycoloyl- and -corynomycoloyl- $(\alpha$ -D-mannopyranosyl  $\alpha$ -D-mannopyranoside). 121
- Correlation between the circular dichroism spectra of *C*-nucleoside 1,2,3-osotriazole analogs and their anomeric configuration, 33

- Crystal structure of a septanose derived from levoglucosenone, 55
- Cycloamylose inclusion-complexes with substituted benzenes, a CP-MAS <sup>13</sup>C-n.m.r. study of solid-state, 9
- Cyclohexaamylose with indole, inclusion complexes of, 278
- B-L-Daunosaminide, synthesis of methyl 3-N-benzoyl-4-O-benzoyl-, 267
- Dextranase from *Flavobacterium* sp. M-73: action pattern of the enzyme, an isomaltotriose-producing, 167
- Digoxose, structure of, 179
- Flavobacterium sp. M-73: action pattern of the enzyme, an isomaltotriose-producing dextranase from, 167
- Floc from raw cane sugar, a galactomannan in carbonated-beverage, 159
- Galactomannan in carbonated-beverage floc from raw cane sugar, 159
- $\beta$ -D-Galactosidase, from bovine testes, a simple and rapid method for the purification of the, 298
- Gas-liquid chromatography-mass spectrometry, analysis of O-methylinositols by, 21
- β-D-Glucopyranoside, p-(trifluoroacetamido)phenyl 2-acetamido-2-deoxy-4-O-β-D-mannopyranosyl-, 287
- Glycopeptides, structural requirements for the binding of, to immobilized *Vicia faba* (fava) lectin, 257
- Glycosides of the terminal trisaccharide portion of the blood-group P<sub>1</sub> antigen, synthesis of spacer-arm, lipid, and ethyl, 63
- Hexoses, 2-(alkylamino)-2-deoxy-, synthesis of 1aryl-(glycofurano)imidazolidine-2-thiones from new, 131
- Imidazolidine-2-thiones, 1-aryl-(glycofurano)-, synthesis of, from new 2-(alkylamino)-2deoxyhexoses, 131
- Inclusion complexes of cycloamyloses and substituted benzenes, a CP-MAS <sup>13</sup>C-n.m.r. study of solid-state, 9

C14 SUBJECT INDEX

Inclusion complexes of cyclohexaamylose with indole, 278

- Inositols by gas-liquid chromatography-mass spectrometry, analysis of O-methyl-, 21
- Isomaltotriose-producing dextranase from Flavobacterium sp. M-73: action pattern of the enzyme, 167
- D-Isoglutamine, N-[2-O-(2-acetamido-2,3-dideoxy-6-thio-D-glucopyranose-3-yl)-D-lactoyl]-L-alanyl-, synthesis and immunoadjuvant activity of derivatives of 271
- Lactosamine, N-acetyl-, containing a D-[6-3H]galactopyranosyl group, synthesis of, 143
- Lectin, immobilized, of *Vicia faba* (fava), structural requirements for the binding of glycopeptides to, 257
- Levoglucosenone: short routes for (-)-δ-multistriatin and (+)-Prelog-Djerassi lactonic acid, chiral synthons, 73
- Lignin-xylan ester linkage in mesta fiber (Hibiscus cannabinus), 189
- D-Mannitol, anhydro-, acetates of partially methylated and of partially ethylated, derived by reductive cleavage of permethylated and perethylated Saccharomyces cerevisiae D-mannans, synthesis and mass spectra of the, 87 α-D-Mannopyranoside, α-D-mannopyranosyl,
- x-D-Mannopyranoside, \(\alpha\)-D-mannopyranosyl, synthesis of 6,6'-di-\(O\)-corynomycoloyl-, as cord-factor analogs, 121
- Mass spectra of some per-O-benzoylated aldopyranoses and aldofuranoses, 43
- Mesta fiber (Hibiscus cannabinus), lignin-xylan ester linkage in, 189
- Methanolysates of alditols and oligosaccharide-alditols, anhydroalditols in the sugar analysis of, 149
- Methyl 3-N-benzoyl-4-O-benzoyl-β-1.-daunosaminide, synthesis of, 267
- New and highly efficient reagent for the oxidation of alcohols, the use of pyridine dichromateacetic anhydride as a, Cl
- 2D-N.m.r. analysis of the structure of an aldotriouronic acid obtained from birch wood, 1
- <sup>13</sup>C-N.m.r. study of solid-state cycloamylose inclusion-complexes with substituted benzenes, a cross-polarisation-magic-angle spinning, 9
- C-Nucleosides, 1,2,3-ostriazole analogs of, correlation between their circular dichroism spectra and their anomeric configuration, 33
- Oxidation of alcohols with pyridine dichromateacetic anhydride, C1

- Pestalotan, a highly branched (1→3)-β-D-glucan elaborated by *Pestalotia* sp. 815, structure of, and the enhancement of its antitumor activity by polyol modification of the side chains, 209
- Polysaccharide, containing 3-deoxy-α-D-manno-2-octulosonic acid, from Escherichia colu LP1092, chemical modification and serological properties of the, 243
- Pyridine dichromate-acetic anhydride: a new and highly efficient reagent for the oxidation of alcohols. C1
- Regioselective alkylation and acylation of carbohydrates engaged in metal complexes, 111
- Rice hull, xyloglucan in cell walls of, 229
- Saccharinic acid derivatives, synthesis of, 99 Sensitive assay for endo- $\beta$ -N-acetyl-
- glucosaminidase H using a native glycoenzyme as substrate, 293
- Septanose, derived from levoglucosenone, the crystal structure of a, 55
- Sialic Acids: Chemistry, Metabolism and Function (book review), C5
- Simple and rapid method for purification of the  $\beta$ -D-galactosidase from bovine testes, 298
- Structural requirements for the binding of glycopeptides to immobilized *Vicia faba* (fava) lectin, 257
- Structure of an aldotriouronic acid obtained from birch wood, 2D-n.m.r. analysis of the, 1
- Structure of digoxose, 179
- Structure of pestalotan, a highly branched  $(1\rightarrow 3)$ - $\beta$ -D-glucan elaborated by *Pestalotia* sp. 815, and the enhancement of its antitumor activity by polyol modification of the side chains, 209
- Sugar analysis of methanolysates of alditols and oligosaccharide-alditols, anhydroalditols in the, 140
- Synthesis and immunoadjuvant activity of N-[2-O-(2-acetamido-2,3-dideoxy-6-thio-D-glucopyranose-3-yl)-D-lactoyl]-L-alanyl-D-isoglutamine derivatives, 271
- Synthesis and mass spectra of the partially methylated and partially ethylated anhydro-D-mannitol acetates derived by reductive cleavage of permethylated and perethylated Saccharomyces cerevisiae D-mannans, 87
- Synthesis of N-acetyllactosamine containing a D-[6-3H]galactopyranosyl group, 143
- Synthesis of 1-aryl-(glycofurano)imidazolidine-2thiones from new 2-(alkylamino)-2deoxyhexoses, 131
- Synthesis of methyl 3-N-benzoyl-4-O-benzoyl-β-L-daunosaminide, 267
- Synthesis of saccharinic acid derivatives, 99

SUBJECT INDEX C15

Synthesis of spacer-arm, lipid, and ethyl glycosides of the terminal trisaccharide portion of the blood-group P<sub>1</sub> antigen, 63

- Synthons from levoglucosenone: short routes for (-)-δ-multistriatin and (+)-Prelog-Djerassi lactonic acid, chiral, 73
- p-(Trifluoroacetamido)phenyl 2-acetamido-2deoxy-4-O-β-D-mannopyranosyl-β-D-glucopyranoside, 287
- Trisaccharide portion of the blood-group P<sub>1</sub> antigen, synthesis of spacer-arm, lipid, and ethyl glycosides of the terminal, 63

Xyloglucan in cell walls of rice hull, 229