



Carbohydrate Research 285 (1996) C13-C15

Subject index

Adenine nucleosides

Synthesis and antiviral activity of 3'-C-branched-3'-deoxy analogues of adenosine 17

Adenosine analogues

Synthesis and antiviral activity of 3'-C-branched-3'-deoxy analogues of adenosine 17

Alkaline degradation

The formation of novel saccharinic acids, 2-C-(2-hydroxyethyl)tetronic acids, by alkaline degradation of leucrose 41

α/β Anomers

Synthesis of O- and S-glucosides using glucosyl halides and zinc salts 159

Antiviral activity

Synthesis and antiviral activity of 3'-C-branched-3'-deoxy analogues of adenosine 17

Arabinoxyloglucan

The structures of arabinoxyloglucans produced by solanaceous plants 99

Bacterial exopolysaccharide

Structural studies of the acidic exopolysaccharide produced by a mucoid strain of *Burkholde*ria cepacia, isolated from cystic fibrosis 59

3'-Branched-3'-deoxy sugars

Synthesis and antiviral activity of 3'-C-branched-3'-deoxy analogues of adenosine 17

Burkholderia cepacia

Structural studies of the acidic exopolysaccharide produced by a mucoid strain of *Burkholde*ria cepacia, isolated from cystic fibrosis 59

Carbohydrate ligand for selectin

Synthesis of sialyl Le^x ganglioside analogues sulfated at C-6 of either the galactose or *N*-acetylglucosamine residues, and at both of the galactose and *N*-acetylglucosamine residues: probes for clarifying the real carbohydrate ligand of L-selectin C1

Carrageenan, α -, β -, ι -, and κ -

Structural analysis of carrageenans from Burmese and Thai samples of Catenella nipae Zanardini 81

Cystic fibrosis

Structural studies of the acidic exopolysaccharide produced by a mucoid strain of *Burkholde-ria cepacia*, isolated from cystic fibrosis 59

1,3-Dicarbonyl sugar derivatives

1,3-Dicarbonyl sugar derivatives from sugar nitro-olefins 49

Disaccharides

Regioselectivity of β -D-galactosyl-disaccharide formation using the β -D-galactosidase from *Bacillus circulans* 29

Enzymatic deoxygenation

Substrate specificity of native dTDP-D-glucose-4,6-dehydratase: chemo-enzymatic syntheses of artificial and naturally occurring deoxy sugars 141

Galactans, sulfated

Structural analysis of carrageenans from Burmese and Thai samples of Catenella nipae Zanardini 81

Galactosidase

Regioselectivity of β -D-galactosyl-disaccharide formation using the β -D-galactosidase from *Bacillus circulans* 29

Galactosyl transfer

Regioselectivity of β -D-galactosyl-disaccharide formation using the β -D-galactosidase from *Bacillus circulans* 29

Gangliosides

Synthesis of sialyl Le^x ganglioside analogues sulfated at C-6 of either the galactose or *N*-acetylglucosamine residues, and at both of the galactose and *N*-acetylglucosamine residues:

probes for clarifying the real carbohydrate ligand of L-selectin C1

Glucopyranosyl halides

Synthesis of *O*- and *S*-glucosides using glucosyl halides and zinc salts 159

O- and S-Glucosides

Synthesis of O- and S-glucosides using glucosyl halides and zinc salts 159

Hyaluronan

Carboxyl-reduced hyaluronan: preparation and enzymatic assay 167

Hyaluronidase

Carboxyl-reduced hyaluronan: preparation and enzymatic assay 167

2-C-(2-Hydroxyethyl)tetronic acids

The formation of novel saccharinic acids, 2-C-(2-hydroxyethyl)tetronic acids, by alkaline degradation of leucrose 41

Idopyranosyl-ring conformation

Crystal and molecular structure of 2,4,6-tri-O-benzoyl-3-O-benzyl- β -L-idopyranosyl fluoride 151

Leucrose

The formation of novel saccharinic acids, 2-C-(2-hydroxyethyl)tetronic acids, by alkaline degradation of leucrose 41

Mass spectra

The formation of novel saccharinic acids, 2-C-(2-hydroxyethyl)tetronic acids, by alkaline degradation of leucrose 41

Nucleophilic substitution

Synthesis of *O*- and S-glucosides using glucosyl halides and zinc salts 159

Oligosaccharide

Oligosaccharides related to xyloglucan: synthesis and X-ray crystal structure of methyl 2-O- $(\alpha$ -L-fucopyranosyl)- β -D-galactopyranoside 1

Polysaccharides

Structural analysis of carrageenans from Burmese and Thai samples of *Catenella nipae* Zanardini 81

Pyrazole C-nucleosides

1,3-Dicarbonyl sugar derivatives from sugar nitro-olefins 49

Reduction

Carboxyl-reduced hyaluronan: preparation and enzymatic assay 167

Reductive hydrolysis

Structural analysis of carrageenans from Burmese and Thai samples of *Catenella nipae* Zanardini 81

Reductive partial-hydrolysis

Structural analysis of carrageenans from Burmesc and Thai samples of Catenella nipae Zanardini 81

Saccharinic acids

The formation of novel saccharinic acids, 2-C-(2-hydroxyethyl)tetronic acids, by alkaline degradation of leucrose 41

Solanacea

The structures of arabinoxyloglucans produced by solanaceous plants 99

Structural characterization

The structures of arabinoxyloglucans produced by solanaceous plants 99

Structure determination

Structural analysis of carrageenans from Burmese and Thai samples of *Catenella nipae* Zanardini 81

Sugar nitro-olefins

1,3-Dicarbonyl sugar derivatives from sugar nitro-olefins 49

Sulfated-sialyl Lex

Synthesis of sialyl Le^x ganglioside analogues sulfated at C-6 of either the galactose or *N*-acetylglucosamine residues, and at both of the galactose and *N*-acetylglucosamine residues: probes for clarifying the real carbohydrate ligand of L-selectin C1

Synthesis

Oligosaccharides related to xyloglucan: synthesis and X-ray crystal structure of methyl 2- $O(\alpha$ -L-fucopyranosyl)- β -D-galactopyranoside 1 Synthesis and antiviral activity of 3'-C-branched-3'-deoxy analogues of adenosine 17

dTDP-D-glucose-4,6-dehydratase [EC 4.2.1.46]

Substrate specificity of native dTDP-D-glucose-4,6-dehydratase: chemo-enzymatic syntheses of artificial and naturally occurring deoxy sugars 141

dTDP-sugars

Substrate specificity of native dTDP-D-glucose-4,6-dehydratase: chemo-enzymatic syntheses of artificial and naturally occurring deoxy sugars 141

Tobacco

The structures of arabinoxyloglucans produced by solanaceous plants 99

Tomato

The structures of arabinoxyloglucans produced by solanaceous plants 99

2.4,6-Tri-O-benzoyl-3-O-benzyl- β -L-idopyranosyl fluoride

Crystal and molecular structure of 2,4,6-tri-O-benzoyl-3-O-benzyl- β -L-idopyranosyl fluoride 151

Vinylogous Nef reaction

1,3-Dicarbonyl sugar derivatives from sugar nitro-olefins 49

X-ray structure

Oligosaccharides related to xyloglucan: synthesis and X-ray crystal structure of methyl 2-O-(α -L-fucopyranosyl)- β -D-galactopyranoside 1

Crystal and molecular structure of 2,4,6-tri-O-benzoyl-3-O-benzyl- β -L-idopyranosyl fluoride 151

Xyloglucan

Oligosaccharides related to xyloglucan: synthesis and X-ray crystal structure of methyl 2-O- $(\alpha$ -L-fucopyranosyl)- β -D-galactopyranoside I The structures of arabinoxyloglucans produced by solanaceous plants 99

Zinc salts

Synthesis of *O*- and *S*-glucosides using glucosyl halides and zinc salts 159