



Carbohydrate Research 290 (1996) C11-C14

Subject index

Aceric acid

Structural characterization of red wine rhamnogalacturonan II 183

Aglycon transfer

Intermolecular aglycon transfer of a phenyl 1thiogalactosaminide derivative under trichloroacetimidate glycosylation conditions 79

Allyl 3,4-di-O-acetyl-β-D-ribofuranoside

One-step glycosylation and selective deprotection of peracetylated monosaccharides for facile syntheses of allyl glycosides with a free C-2 hydroxyl group 233

Allyl 3,4-di-O-acetyl-β-D-xylopyranoside

One-step glycosylation and selective deprotection of peracetylated monosaccharides for facile syntheses of allyl glycosides with a free C-2 hydroxyl group 233

Allyl 3,4,6-tri-*O*-acetyl-β-D-galactopyranoside One-step glycosylation and selective deprotection of peracetylated monosaccharides for facile

syntheses of allyl glycosides with a free C-2 hydroxyl group 233

Allyl 3,4,6-tri-O-acetyl-β-D-glucopyranoside

One-step glycosylation and selective deprotection of peracetylated monosaccharides for facile syntheses of allyl glycosides with a free C-2 hydroxyl group 233

Anacardiaceae

Structural study of the polysaccharide isolated from *Spondias purpurea* gum exudate 97

O-Antigen core

Structural analysis of the O-antigen-core region of the lipopolysaccharide from *Vibrio cholerae* O139 59

Apiitol

Reexamination of the acetylation of apiitol in the determination of apiose 67

Apiose

Reexamination of the acetylation of apiitol in the determination of apiose 67

Bacterial sugars

The synthesis of five L-glycero-D-manno-heptose monophosphates 1

Borate di-ester

Structural characterization of red wine rhamnogalacturonan II 183

Chitin

Metal-chelating chitin derivatives via reaction of chitosan with nitrilotriacetic acid 33

Chitosan

Metal-chelating chitin derivatives via reaction of chitosan with nitrilotriacetic acid 33

Chondroitin sulfate

Preparation and biological activity of N-sulfonated chondroitin and dermatan sulfate derivatives 87

¹³C NMR spectroscopy

Structural study of the polysaccharide isolated from *Spondias purpurea* gum exudate 97

Copper ions

Metal-chelating chitin derivatives via reaction of chitosan with nitrilotriacetic acid 33

Cross-linking

Metal-chelating chitin derivatives via reaction of chitosan with nitrilotriacetic acid 33

Cyclodextrins

Study of the inclusion complexes of aromatic molecules with cyclodextrins using ionspray mass spectrometry 105

α - and β -Cyclodextrins

Fast atom bombardment mass spectrometry as a tool for the rapid determination of enantioselective binding of methylated cyclodextrins 117

5-Deazapteridine

Synthesis of pyrido[2,3-d]pyrimidine (5-deazapteridine) C-nucleosides from a glycosyl enaminone 71

C12 Subject index

6-Deoxy-5-thio-D-glucose

Synthesis of 6-deoxy-5-thio-D-glucose 159

2-Deoxy-2-trichloroacetamido-D-galactose

Intermolecular aglycon transfer of a phenyl 1thiogalactosaminide derivative under trichloroacetimidate glycosylation conditions 79

Derivatization

Synthesis and characterization of tyramine-derivatized (1 \rightarrow 4)-linked α -D-oligogalacturonides 147

Dermatan sulfate

Preparation and biological activity of Nsulfonated chondroitin and dermatan sulfate derivatives 87

Dimer

Structural characterization of red wine rhamnogalacturonan II 183

Dioxolane reductive opening

The conversion of D-galactopyranosides into 2-amino-2-deoxy-D-talopyranosyl derivatives: Some new data 17

E. coli β-D-galactosidase

A direct enzymatic synthesis of β -D-galactopyranosyl-D-xylopyranosides and their use to evaluate rat intestinal lactase activity in vivo 209

Enzymatic glycosylation

A direct enzymatic synthesis of β -D-galactopyranosyl-D-xylopyranosides and their use to evaluate rat intestinal lactase activity in vivo 209

Exopolysaccharide

Structure determination of a novel uronic acid residue isolated from the exopolysaccharide produced by a bacterium originating from deep sea hydrothermal vents 175

FABMS

Fast atom bombardment mass spectrometry as a tool for the rapid determination of enantioselective binding of methylated cyclodextrins 117

FAB-MS

Model studies on methyl amyloses: correlation between reaction conditions and primary structure 199

Galactolipids

Synthesis of glycolipids: dialkyl *N-*[*N-*(4-lactonamidobutyl)succinamoyl]-L-glutamates 225

β-D-Galactopyranosyl-D-xylopyranosides

A direct enzymatic synthesis of β -D-galactopyranosyl-D-xylopyranosides and their use to evaluate rat intestinal lactase activity in vivo 209

Gangliosides

Influenza A and Sendai viruses preferentially bind to fucosylated gangliosides with linear poly-*N*-acetyllactosaminyl chains from human granulocytes 217

GLC

Reexamination of the acetylation of apiitol in the determination of apiose 67

Glycolipids

Synthesis of glycolipids: dialkyl N-[N-(4-lactonamidobutyl)succinamoyl]-L-glutamates 225

Glycosaminoglycan

Preparation and biological activity of N-sulfonated chondroitin and dermatan sulfate derivatives 87

Glycosphingolipids

Influenza A and Sendai viruses preferentially bind to fucosylated gangliosides with linear poly-*N*-acetyllactosaminyl chains from human granulocytes 217

Glycosyl enaminone

Synthesis of pyrido[2,3-d]pyrimidine (5-deazapteridine) C-nucleosides from a glycosyl enaminone 71

Grap

Structural characterization of red wine rhamnogalacturonan II 183

Gum exudate

Structural study of the polysaccharide isolated from *Spondias purpurea* gum exudate 97

¹H, ¹³C, ¹⁵N NMR

¹³C, ¹⁵N CP MAS and high resolution multinuclear NMR study of methyl 3,4,6-tri-*O*-acetyl-2-(3'-arylureido)-2-deoxy-β-D-glucopyranosides 137

L-glycero-D-manno-Heptose monophosphate

The synthesis of five L-glycero-D-mannoheptose monophosphates 1

Heptose synthesis

The synthesis of five L-glycero-D-mannoheptose monophosphates 1

Homogalacturonan

Structural characterization of red wine rhamnogalacturonan II 183

Hydrothermal vent

Structure determination of a novel uronic acid residue isolated from the exopolysaccharide produced by a bacterium originating from deep sea hydrothermal vents 175

Inclusion complexes

Study of the inclusion complexes of aromatic molecules with cyclodextrins using ionspray mass spectrometry 105

Subject index C13

Intestinal lactase evaluation

A direct enzymatic synthesis of β-D-galactopyranosyl-D-xylopyranosides and their use to evaluate rat intestinal lactase activity in vivo 209

Ionspray mass spectrometry

Study of the inclusion complexes of aromatic molecules with cyclodextrins using ionspray mass spectrometry 105

Lipids for modified enzyme

Synthesis of glycolipids: dialkyl N-[N-(4-lactonamidobutyl)succinamoyl]-L-glutamates 225

Lipopolysaccharide

Structural analysis of the lipopolysaccharide from *Vibrio cholerae* O139 43

Structural analysis of the O-antigen-core region of the lipopolysaccharide from *Vibrio cholerae* O139 59

MALDI-TOF

Model studies on methyl amyloses: correlation between reaction conditions and primary structure 199

Methyl amyloses

Model studies on methyl amyloses: correlation between reaction conditions and primary structure 199

Molecular mechanics conformation

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 125

MS-MS

Fast atom bombardment mass spectrometry as a tool for the rapid determination of enantioselective binding of methylated cyclodextrins 117

Nitrilotriacetic acid

Metal-chelating chitin derivatives via reaction of chitosan with nitrilotriacetic acid 33

NMR

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 125

Non-chair conformations

The conversion of D-galactopyranosides into 2-amino-2-deoxy-D-talopyranosyl derivatives: Some new data 17

N-sulfonation

Preparation and biological activity of Nsulfonated chondroitin and dermatan sulfate derivatives 87

C-Nucleosides

Synthesis of pyrido[2,3-d]pyrimidine (5-deazapteridine) C-nucleosides from a glycosyl enaminone 71

Oligogalacturonides

Synthesis and characterization of tyramine-derivatized (1 \rightarrow 4)-linked α -D-oligogalacturonides 147

Oligosaccharide

Synthesis of glycolipids: dialkyl *N-*[*N-*(4-lactonamidobutyl)succinamoyl]-L-glutamates 225

Pectin

Structural characterization of red wine rhamnogalacturonan II 183

Peptide

Synthesis of glycolipids: dialkyl *N-*[*N-*(4-lactonamidobutyl)succinamoyl]-L-glutamates 225

Per-meltylated cyclodextrins

Fast atom bombardment mass spectrometry as a tool for the rapid determination of enantioselective binding of methylated cyclodextrins 117

Permethylation

Model studies on methyl amyloses: correlation between reaction conditions and primary structure 199

Polymer chains

Model studies on methyl amyloses: correlation between reaction conditions and primary structure 199

Pyrido[2,3-d]pyrimidine

Synthesis of pyrido[2,3-d]pyrimidine (5-deazapteridine) C-nucleosides from a glycosyl enaminone 71

Reaction mechanism: transannular participation of the sulfur atom

Synthesis of 6-deoxy-5-thio-D-glucose 159

Rearrangement reactions of mesylated methyl 5thio- α -D-glucopyranoside

Synthesis of 6-deoxy-5-thio-D-glucose 159

Receptor function

Influenza A and Sendai viruses preferentially bind to fucosylated gangliosides with linear poly-*N*-acetyllactosaminyl chains from human granulocytes 217

Reduction of 5,6-thiirane rings with LiAlH₄
Synthesis of 6-deoxy-5-thio-D-glucose 159

C14 Subject index

Rhamnogalacturonan II

Structural characterization of red wine rhamnogalacturonan II 183

Sialyl Lewis^x

Influenza A and Sendai viruses preferentially bind to fucosylated gangliosides with linear poly-*N*-acetyllactosaminyl chains from human granulocytes 217

Solid state NMR

¹³C, ¹⁵N CP MAS and high resolution multinuclear NMR study of methyl 3,4,6-tri-*O*-acetyl-2-(3'-arylureido)-2-deoxy-β-D-glucopyranosides 137

Spondias purpurea

Structural study of the polysaccharide isolated from Spondias purpurea gum exudate 97

Structural analysis

Structural analysis of the lipopolysaccharide from Vibrio cholerae O139 43

Structural characterization

Synthesis and characterization of tyramine-derivatized $(1 \rightarrow 4)$ -linked α -D-oligogalacturonides 147

Structural study

Structural study of the polysaccharide isolated from *Spondias purpurea* gum exudate 97

Sulfonamido derivatives

Preparation and biological activity of *N*-sulfonated chondroitin and dermatan sulfate derivatives 87

Synthesis

Synthesis of pyrido[2,3-d]pyrimidine (5-deazapteridine) C-nucleosides from a glycosyl enaminone 71

Talosamine

The conversion of D-galactopyranosides into 2amino-2-deoxy-D-talopyranosyl derivatives: Some new data 17

Thioglycoside

Intermolecular aglycon transfer of a phenyl 1thiogalactosaminide derivative under trichloroacetimidate glycosylation conditions 79

Thiosugars

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 125

Trichloroacetimidate glycosylation

Intermolecular aglycon transfer of a phenyl 1-

thiogalactosaminide derivative under trichloroacetimidate glycosylation conditions 79

Tyramine

Synthesis and characterization of tyramine-derivatized $(1 \rightarrow 4)$ -linked α -D-oligogalacturonides 147

Ulose oximes

The conversion of D-galactopyranosides into 2-amino-2-deoxy-D-talopyranosyl derivatives: Some new data 17

Ureido sugars

¹³C, ¹⁵N CP MAS and high resolution multinuclear NMR study of methyl 3,4,6-tri-*O*-acetyl-2-(3'-arylureido)-2-deoxy-β-D-glucopyranosides 137

Uronic acid

Structure determination of a novel uronic acid residue isolated from the exopolysaccharide produced by a bacterium originating from deep sea hydrothermal vents 175

Structural characterization of red wine rhamnogalacturonan II 183

Vibrio cholerae

Structural analysis of the lipopolysaccharide from *Vibrio cholerae* O139 43

Structural analysis of the O-antigen-core region of the lipopolysaccharide from *Vibrio cholerae* O139 59

VIM-2

Influenza A and Sendai viruses preferentially bind to fucosylated gangliosides with linear poly-*N*-acetyllactosaminyl chains from human granulocytes 217

Virus binding

Influenza A and Sendai viruses preferentially bind to fucosylated gangliosides with linear poly-*N*-acetyllactosaminyl chains from human granulocytes 217

Wine

Structural characterization of red wine rhamnogalacturonan II 183

X-Ray diffraction

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 125

Xylose

Reexamination of the acetylation of apiitol in the determination of apiose 67