

CARBOHYDRATE RESEARCH VOL. 202 (1990)

SUBJECT INDEX

- Acetylated carbohydrates, novel methods for the preparation of partially, 67
- aldehyde* forms from 6-*S*-phenyl-6-thio-D-hexoses, synthesis of L-gulose, L-galactose, and their acetylated, 33
- Aldol reaction: L-cladinose, *de novo* synthesis of carbohydrates by stereoselective, 13
- N*-Alkoxy carbonyl derivatives of 2-amino-2-deoxy-D-glucose as donors in glycosylation reactions, the use of, 13
- 1,6-Anhydro- β -D-glucopyranose in organic synthesis: preparation of a fragment for the synthesis of rosaramycin, 81
- Arylation, C-, reactions of benzylated glycosides, multiple and long-range participation of benzyl groups, of benzylated glycosides, 49
- Asymmetric approach to 2-deoxynucleosides *via* organosulfur building blocks as chemical chameleons, 1
- Benzeneselenenyl triflate, as an activator of thioglycosides for glycosylation reactions, 165
- Benzyl groups, participation of, in intramolecular C-arylation reactions of benzylated glycosides, 49
- Bovine serum albumin, synthesis of glycopeptides with T_N and T antigen structures and their coupling to, 207
- Castanospermine and 1-deoxy-6,8a-diepicastanospermine, synthesis of 1-deoxy-6-epi-, 117
- L-Cladinose, *de novo* synthesis of carbohydrates by stereoselective aldol reaction, 13
- Contiguous carbinol centres: application to the synthesis of both enantiomers of natural products from the same enantiomerically pure starting material, inversion of configuration at, 93
- Deoxy-6-epicastanospermine and 1-deoxy-6,8a-diepicastanospermine synthesis of 1-, 117
- Deoxynucleosides *via* organosulfur building blocks as chemical chameleons, an asymmetric approach to 2-, 1
- Derivatives of methyl β -lactoside as substrates for and inhibitors of β -D-galactosidase from *E. coli*, 131
- Effect on human liver glycosidases and short syntheses of 1 α ,2 α ,6 α ,7 α ,7 $\alpha\beta$ -1,2,6,7-tetrahydroxypyrrolizidine from D-glycero-D-gulo-heptono-1,4-lactone, 105
- β -D-Galactosidase from *E. coli*, derivatives of methyl β -lactoside as substrates for and inhibitors of, 131
- Globotriaosylceramide (Gb3) and lysoglobotriaosylceramide (LysoGb3) total synthesis of, 127
- Glycopeptides with the T_N and T antigen structures, synthesis of, and their coupling to bovine serum albumin, 207
- Glycosyl donor in syntheses of oligosaccharides, 1,3,4,6-tetra-O-acetyl-2-chloroacetamido-2-deoxy- β -D-glucopyranose as a, 239
- Glycosyl donors for the synthesis of muramyl-containing glycosphingolipids and fatty acids, muramic acid derivatives as, 193
- Glycosylation reactions, benzeneselenenyl triflate as an activator of thioglycosides for, 165
- Glycosylation reactions, the use of *N*-alkoxy carbonyl derivatives of 2-amino-2-deoxy-D-glucose as donors in, 13
- Glycosylation reactions with alkyl(aryl)1-thioglycopyranosides, use of the methylsulfenyl cation as an activator for, 225
- Inversion of configuration at contiguous carbinol centres: application to the synthesis of both enantiomers of natural products from the same enantiomerically pure starting material, 93
- Lysoglobotriaosylceramide (LysoGb3), total synthesis of globotriaosylceramide (Gb3) and, 127
- Methyl β -lactoside, derivatives of, as substrates for and inhibitors of β -D-galactosidase from *E. coli*, 131
- Muramic acid derivatives as glycosyl donors for the synthesis of muramyl-containing glycosphingolipids and fatty acids, 193
- Novel methods for the preparation of partially acetylated carbohydrates, 67
- Oligosaccharide synthesis, 1,3,4,6-tetra-O-acetyl-2-chloroacetamido-2-deoxy- β -D-glucopyranose as a glycosyl donor in, 239
- Organosulfur building blocks as chemical chameleons, an asymmetric approach to 2-deoxynu-

- cleosides *via*, 1
- Orthosomycins, syntheses of trisaccharide C-D-E and tetrasaccharide B-C-D-E fragments found in, 257
- Partially acetylated carbohydrates, novel methods for the preparation of, 67
- Participation of benzyl groups in intramolecular C-arylation reactions of benzylated glycosides, multiple and long-range, 49
- 6-*S*-Phenyl-6-thio-D-hexoses, synthesis of L-gulose, L-galactose, and their acetylated *aldehyde* forms from, 33
- Rosaramycin, preparation from 1,6-anhydro- β -D-glucopyranose of a fragment for the synthesis of rosaramycin, 81
- Syntheses of 1 α ,2 α ,6 α ,7 α ,7 $\alpha\beta$ -1,2,6,7- tetrahydroxypyrrolizidine from D-*glycero*-D-*gulo*-heptono-1,4-lactone, effect on human liver glycosidases and short, 105
- Syntheses of trisaccharide C-D-E and tetrasaccharide B-C-D-E fragments found in orthosomycins, syntheses of, 257
- Synthesis of a rosaramycin fragment from 1,6-anhydro- β -D-glucopyranose as starting material, 81
- Synthesis of both enantiomers of natural products from the same enantiomerically pure starting material, inversion of configuration at contiguous carbinol centres: application to the, 93
- De novo* synthesis of carbohydrates by stereoselective aldol reaction: L-cladinose, 13
- Synthesis of 1-deoxy-6-epi-castanospermine and 1-deoxy-6,8a-diepicastanospermine, 117
- Synthesis of glycopeptides with T_N and T antigen structures, and their coupling to bovine serum albumin, 207
- Synthesis of L-galactose, and their acetylated *aldehyde* forms from 6-*S*-phenyl-6-thio-D-hexoses, 33
- Synthesis of methyl O-(2-acetamido-2-deoxy- β -D-glucopyranosyl)-(1 \rightarrow 6)-O- α -D-glucopyranosyl-(1 \rightarrow 2)- α -D-glucopyranoside, a derivative of the core trisaccharide of *E. coli* K12, 225
- Synthesis of muramyl-containing glycosphingolipids and fatty acids, muramic acid derivatives as glycosyl donors for the, 193
- 1,3,4,6-Tetra-O-acetyl-2-chloroacetamido-2-deoxy- β -D-glucopyranose as a glycosyl donor in syntheses of oligosaccharides, 239
- Tetrahydroxypyrrolizidine from D-*glycero*-D-*gulo*-heptono-1,4-lactone, effect on human liver glycosidases and short syntheses of 1 α ,2 α ,6 α ,7 α ,7 $\alpha\beta$ -1,2,6,7-, 105
- Thioglycosides, for glycosylation reactions, benzeneselenenyl triflate as an activator of, 165
- Total synthesis of globotriaosylceramide (Gb3) and lysoglobotriaosylceramide (LysoGb3), 127
- Trisaccharide C-D-E and tetrasaccharide B-C-D-E fragments found in orthosomycins, syntheses of, 257
- Trisaccharide of *E. coli* K12, synthesis of methyl O-(2-acetamido-2-deoxy- β -D-glucopyranosyl)-(1 \rightarrow 6)-O- α -D-glucopyranosyl-(1 \rightarrow 2)- α -D-glucopyranoside — a derivative of the core, 225
- Use of *N*-alkoxycarbonyl derivatives of 2-amino-2-deoxy-D-glucose as donors in glycosylation reactions, 13