

CARBOHYDRATE RESEARCH, VOL. 151 (1986)

SUBJECT INDEX

- Acacia tortilis* gum, arabinogalactan-protein components of, 135
- Acceptor specificity in the glycogen synthase reaction with polymer-bound oligosaccharides, probing, 371
- N*-Acetylgalactosamine 4-sulfate on chondroitin chain elongation, the effect of penultimate, 207
- Action of trifluoromethanesulfonic acid on highly glycosylated regions of human bronchial mucins, 7
- Affinity of four immobilized *Erythrina* lectins toward various *N*-linked glycopeptides and related oligosaccharides, 359
- Aldoximes as antidotes against organophosphate poisoning, sugar conjugates of pyridinium, 337
- Antitumor effect of hexa-*N*-acetylchitohexaose and chitohexaose, 403
- Application of a radical reaction to the synthesis of L-iduronic acid derivatives from D-glucuronic acid analogues, 379
- Arabinogalactan-protein components of *Acacia tortilis* gum, 135
- Biosynthesis of proteochondroitin sulfate: substrate requirements for formation of two independent species, 185
- Bovine submaxillary mucin, carbohydrate structures of, 391
- Branch specificity of β -D-galactosidase from *Escherichia coli*, 329
- Carbohydrate-binding specificity of silkworm lectin, 271
- Carbohydrate structure of a mucilage from the roots of *Hibiscus moscheutos* L. the, 29
- Carbohydrate structures of bovine submaxillary mucin, 391
- Characteristics of two wheat germ agglutinin-resistant variants of B16 mouse melanoma cells with reduced tumorigenicity, 37
- Characterization of *N*-acetyl- β -D-galactosaminyl-transferase from guinea-pig kidney involved in the biosynthesis of SD^a antigen associated with Tamm-Horsfall glycoprotein, 65
- Characterization of human fibronectin glycopeptides from cystic fibrosis and control skin fibroblasts, 279
- Chitohexaose, antitumor effect of hexa-*N*-acetylchitohexaose and, 403
- Chondroitin chain elongation, the effect of penultimate *N*-acetylgalactosamine 4-sulfate on, 207
- Combining site of the blood group A-specific lima bean lectin, immunochemical studies on the, 247
- Cystic fibrosis and control skin fibroblasts, characterization of human fibronectin glycopeptides from, 279
- Disialoganglioside GDlc from spontaneous murine thymoma, structure of a new, 77
- Effect of penultimate *N*-acetylgalactosamine 4-sulfate on chondroitin chain elongation, the, 207
- Effects of tunicamycin, *N*-methyl-1-deoxynojirimycin and manno-1-deoxynojirimycin on the biosynthesis of lactosaminoglycans in F9 teratocarcinoma cells, 21
- Epiglycanin as a membrane glycoprotein. Isolation of plasma membrane from the TA3-HA tumor cell, 173
- Extracellular matrix proteoglycans and cell-substratum adhesion of human endothelial cells: the effect of methyl β -D-xylopyranoside, 121
- Fucose-rich glycopeptides from normal human pancreatic juice, purification and partial characterization of, 409
- Further characterization of the glycoproteins and glycosaminoglycans released from TA3 murine adenocarcinoma cells in culture, 157
- Galactose/*N*-acetylgalactosamine from macrophages, isolation and characterization of a receptor lectin specific for, 197
- Galactosidase from *Escherichia coli*, branch specificity of β -D-, 329
- Gangliosides by ozonolysis-alkaline fragmentation, a 500-MHz ¹H-n.m.r. study of oligosaccharides derived from, 233
- Gangliosides, mouse liver, 213
- Glycogen synthase reaction with polymer-bound oligosaccharides, probing acceptor specificity in the, 371
- Glycolipids possessing mono- and multi-meric X and Y haptens: characterization of two novel extended Y structures from human adenocarcinoma, ¹H-n.m.r. analysis of, 311
- Glycopeptide containing the amino acid sequence 4-7 of the amino terminus of the protein core-structure of beef-skin proteodermatan sulfate, synthesis of a xylose-containing, 225

- Glycopeptide sources, purification of oligosaccharides having a free reducing-end from, 89
- Glycopeptides and related oligosaccharides, affinity of four immobilized *Erythrina* lectins toward various *N*-linked, 359
- Glycopeptides from cystic fibrosis and control skin fibroblasts, characterization of human fibronectin, 279
- Glycopeptides from normal human pancreatic juice, purification and partial characterization of fucose-rich, 409
- Glycoprotein, characterization of *N*-acetyl- β -Dgalactosaminyltransferase from guinea-pig kidney involved in the biosynthesis of Sd^a antigen associated with Tamm-Horsfall, 65
- Glycoprotein from B16 mouse melanoma cells, isolation and characterization of a wheat germ agglutinin-binding, 51
- Glycoprotein. Isolation of plasma membrane from the TA3-HA tumor cell, epiglycanin as a membrane, 173
- Glycoproteins and glycosaminoglycans released from TA3 murine adenocarcinoma cells in culture, further characterization of the, 157
- Glycosaminoglycans released from TA3 murine adenocarcinoma cells in culture, further characterization of the glycoproteins and, 157
- Glycosylation of lactose: synthesis of branched oligosaccharides involved in the biosynthesis of glycolipids having blood-group I activity, 105
- Gum, arabinogalactan-protein components of *Acacia tortilis*, 135
- Hemocyanin from the scorpion *Androctonus australis*, primary structure of the oligosaccharide moiety of, 305
- Hexa-*N*-acetylchitohexaose and chitohexaose, antitumor effect of, 403
- Hibiscus moscheutos* L., the carbohydrate structure of a mucilage from the roots of, 29
- Iduronic acid derivatives from D-glucuronic acid analogues, application of a radical reaction to the synthesis of L-, 379
- Interactions of lectins with normal, Swainsonine-treated, and ricin-resisted baby hamster kidney BHK cells, 293
- Isolation and characterization of a receptor lectin specific for galactose/*N*-acetylgalactosamine from macrophages, 197
- Isolation and characterization of wheat germ agglutinin-binding glycoprotein from B16 mouse melanoma cells, 51
- Immunochemical studies on the combining site of the blood group A-specific lima bean lectin, 247
- Kidney lectin, mammalian, 261
- Lactosaminoglycans in F9 teratocarcinoma cells, effects of tunicamycin, *N*-methyl-1-deoxynojirimycin and manno-1-deoxynojirimycin on the biosynthesis of, 21
- Lectin, carbohydrate-binding specificity of silkworm, 271
- Lectin, mammalian kidney, 261
- Lectin specific for galactose/*N*-acetylgalactosamine from macrophages, isolation and characterization of a receptor, 197
- Lectins toward various *N*-linked glycopeptides and related oligosaccharides, affinity of four immobilized *Erythrina*, 359
- Lectins with normal, Swainsonine-treated, and ricin-resistant baby hamster kidney BHK cells, interactions of, 293
- Lima bean lectin, immunochemical studies on the combining site of the blood group A-specific, 247
- Lipopolysaccharide, structural studies of the O-specific side-chains of the *Escherichia coli* O 10, 349
- Mammalian kidney lectin, 261
- Melanoma cells with reduced tumorigenicity, characteristics of two wheat germ agglutinin-resistant variants of B16 mouse, 37
- Membrane glycoprotein. Isolation of plasma membrane from the TA3-HA tumor cell, epiglycanin as a, 173
- Mouse liver gangliosides, 213
- Mouse melanoma cells, isolation and characterization of a wheat germ agglutinin-binding glycoprotein from B16, 51
- Mucilage from the roots of *Hibiscus moscheutos* L., the carbohydrate structure of a, 29
- Mucin, carbohydrate structures of bovine submaxillary, 391
- Mucins, action of trifluoromethanesulfonic acid on highly glycosylated regions of human bronchial, 7
- Multi-meric X and Y haptens: characterization of two novel extended Y structures from human adenocarcinoma, ¹H-n.m.r. analysis of glycolipids possessing mono- and, 311
- Murine thymoma, structure of a new disialoganglioside GDlc from spontaneous, 77
- ¹H-N.m.r. analysis of glycolipids possessing mono- and multi-meric X and Y haptens: characterization of two novel extended Y structures from human adenocarcinoma, 311
- ¹H-N.m.r. study of oligosaccharides derived from gangliosides by ozonolysis-alkaline fragmentation, a 500-MHz, 233
- Oligosaccharide moiety of hemocyanin from the

- scorpion *Androctonus australis*, primary structure of the, 305
- Oligosaccharides derived from gangliosides by ozonolysis-alkaline fragmentation, a 500-MHz ^1H -n.m.r. study of, 233
- Oligosaccharides having a free reducing-end from glycopeptide sources, purification of, 89
- Oligosaccharides involved in the biosynthesis of glycolipids having blood-group I activity, synthesis from lactose of branched, 105
- Organophosphate poisoning, sugar conjugates of pyridinium aldoximes as antidotes against, 337
- Penta- and hexa-saccharides associated with blood-group I epitopes, use of an immobilised cyclic multi-enzyme system to synthesise branched, 147
- Primary structure of the oligosaccharide moiety of hemocyanin from the scorpion *Androctonus australis*, 305
- Probing acceptor specificity in the glycogen synthase reaction with polymer-bound oligosaccharides, 371
- Protein core-structure of beef-skin proteodermatan sulfate, synthesis of a xylose-containing glycopeptide containing the amino acid sequence 4-7 of the amino terminus of the, 225
- Proteochondroitin sulfate: substrate requirements for formation of two independent species, biosynthesis of, 185
- Proteoglycans and cell-substratum adhesion of human endothelial cells: the effect of methyl β -D-xylopyranoside, extracellular matrix, 121
- Purification and partial characterization of fucose-rich glycopeptides from normal human pancreatic juice, 409
- Purification of oligosaccharides having a free reducing-end from glycopeptide sources, 89
- Radical reaction to the synthesis of L-iduronic acid derivatives from D-glucuronic acid analogues, application of a, 379
- Ricin-resistant baby hamster kidney BHK cells, interactions of lectins with normal, Swainsonine-treated, and, 293
- Side-chains of the *Escherichia coli* O 10 lipopolysaccharide, structural studies of the O-specific, 349
- Silkworm lectin, carbohydrate-binding specificity of, 271
- Specificity of β -D-galactosidase from *Escherichia coli*, branch, 329
- Structural studies of the O-specific side-chains of the *Escherichia coli* O 10 lipopolysaccharide, 349
- Structure of a new disialoganglioside GD1c from spontaneous murine thymoma, 77
- Substrate requirements for formation of two independent species, biosynthesis of proteochondroitin sulfate, 185
- Sugar conjugates of pyridinium aldoximes as antidotes against organophosphate poisoning, 337
- Swainsonine-treated, and ricin-resistant baby hamster kidney BHK cells, interactions of lectins with normal, 293
- Synthesis of a xylose-containing glycopeptide containing the amino acid sequence 4-7 of the amino terminus of the protein core-structure of beef-skin proteodermatan sulfate, 225
- Synthesis of branched oligosaccharides involved in the biosynthesis of glycolipids having blood-group I activity, 105
- Synthesis of branched penta- and hexa-saccharides associated with blood-group I epitopes, using an immobilised cyclic multi-enzyme system, 147
- Transferase from guinea-pig kidney involved in the biosynthesis of Sd^a antigen associated with Tamm-Horsfall glycoprotein, characterization of N-acetyl- β -D-galactosaminy, 65
- Trifluoromethanesulfonic acid on highly glycosylated regions of human bronchial mucins, action of, 7
- Tunicamycin, N-methyl-1-deoxynojirimycin and manno-1-deoxynojirimycin on the biosynthesis of lactosaminoglycans in F9 teratocarcinoma cells, effects of, 21
- Use of an immobilised cyclic multi-enzyme system to synthesise branched penta- and hexa-saccharides associated with blood-group I epitopes, 147
- Wheat germ agglutinin-resistant variants of B16 mouse melanoma cells with reduced tumorigenicity, characteristics of two, 37
- Xylopyranoside, extracellular matrix proteoglycans and cell-substratum adhesion of human endothelial cells: the effect of methyl β -D-, 121