CONTENTS

ACCELERATED COMMUNICATION

FRANK DÖRJE, ALLAN I. LEVEY, AND MARK R. BRANN. Immunological Detection of Muscarinic Receptor Subtype Proteins (m1–m5) in Rabbit Peripheral Tissues 459

ARTICLES

P. WHITING, R. SCHOEPPHER, J. LINDSTROM, AND T. PRIESTLEY. Structural and Pharmacological Characterization of the Major Brain Nicotinic Acetylcholine Receptor Subtype Stably Expressed in Mouse Fibroblasts 463

MICHIIRO HIDE, HYDAR ALI, S. RUSS PRICE, JOEL MOSS, AND MICHAEL A. BEAVEN. GTP-Binding Protein Gz: Its Down-regulation by Dexamethasone and Its Credentials as a Mediator of Antigen-Induced Responses in RBL-2H3 Cells 473

GARY L. WALDO, ANDREW J. MORRIS, DAVID G. KLAPPER, AND T. KENDALL HARDEN. Receptor- and G-Protein-Regulated 150-kDa Avian Phospholipase C: Inhibition of Enzyme Activity by Isoenzyme-Specific Antisera and Nonidentity with Mammalian Phospholipase C Isoenzymes Established by Immunoreactivity and Peptide Sequence 480

ISABELLE H. LElong, ANTHONY P. GUISKOWSKI, RICHARD P. HAUGLAND, IRA PASTAN, MICHAEL M. GOTTESMAN, AND MARK C. WILLINGHAM. Fluorescent Verapamil Derivative for Monitoring Activity of the Multidrug Transporter 490

JACQUELYN E. ANDREA, KAZUO ADACHI, AND A. RICHARD MORGAN. Fluorometric Assays for DNA Topoisomerase and Topoisomerase-Targeted Drugs: Quantitation of Catalytic Activity and DNA Cleavage 495

GERALD L. FORREST, STEVE AKMAN, JAMES DOROSHOW, HECTOR RIVERA, AND WILLIAM D. KAPLAN. Genomic Sequence and Expression of a Cloned Human Carbonyl Reductase Gene with Daunorubicin Reductase Activity 502

YI-HÉ LING, J. ARLY NELSON, Y.-C. CHENG, ROSS S. ANDERSON, AND KENNETH L. BEATTIE. 2’-Deoxy-6-Thioguanosine 5’-Triphosphate as a Substrate for Purified Human DNA Polymerases and Calf Thymus Terminal Deoxynucleotidyltransferase In Vitro 508

STEVEN O. FRANKLIN, YUAN-SHAN ZHU, BYRON C. YOBURN, AND CHARLES E. INTURRISI. Transsynaptic Activity Regulates Proenkephalin and Tyrosine Hydroxylase Gene Expression and the Response to Reserpine in the Hamster Adrenal 515

KENNETH P. MINNEMAN AND BRIAN ATKINSON. Interaction of Subtype-Selective Antagonists with α1-Adrenergic Receptor-Mediated Second Messenger Responses in Rat Brain 523

Continued
CONTENTS (cont'd)

CHIDE HAN AND KENNETH P. MINNEMAN. Interaction of Subtype-Selective Antagonists with α1-Adrenergic Receptor Binding Sites in Rat Tissues ........................................... 531

JOHN A. JOHNSON, JACQUELINE FRIEDMAN, REKHA D. HALLIGAN, MARIEL BIRNBAUMER, AND RICHARD B. CLARK. Sensitization of Adenylyl Cyclase by P2 Purinergic and M5 Muscarinic Receptor Agonists in L Cells .................................................. 539

MELVIN REICHMAN, WU NEN, AND LOWELL E. HOKIN. Δ⁹-Tetrahydrocannabinol Inhibits Arachidonic Acid Aetration of Phospholipids and Triacylglycerols in Guinea Pig Cerebral Cortex Slices .................................................. 547

C. DELESCULSE, M. T. CAVET, B. MARTIN, B. A. BERNARD, U. REICHERT, J. MAIGNAN, M. DARMON, AND B. SHROOT. Selective High Affinity Retinoic Acid Receptor α or β-γ Ligands .......................................................... 556

FRIEDRICH GRIMMINGER, ULF SIBLEIUS, KLAUS AKTORIES, NORBERT SUTTORP, AND WERNER SEEGER. Inhibition of Cytoskeletal Rearrangement by Botulinum C2 Toxin Amplifies Ligand-Evoked Lipid Mediator Generation in Human Neutrophils ............... 563

R. S. HURST, A. E. BUSCH, M. P. KAVANAUGH, P. B. OSBORNE, R. A. NORTH, AND J. P. ADELMAN. Identification of Amino Acid Residues Involved in Dendrotoxin Block of Rat Voltage-Dependent Potassium Channels ........................................ 572

RICHARD E. HONKANEN, MICHAEL DUKELLOW, JEAN ZWILLER, RICHARD E. MOORE, BALWANT S. KHATRA, AND ALTON L. BOYNTON. Cyanobacterial Nodularin Is a Potent Inhibitor of Type 1 and Type 2A Protein Phosphatases .......... 577

SIMON D. LYTTON, Z. IOAV CABANTCHIK, JACQUELINE LIBMAN, AND ABRAHAM SHANZER. Revised Siderophores as Antimalarial Agents. II. Selective Scavenging of Fe(III) from Parasitized Erythrocytes by a Fluorescent Derivative of Desferal .......... 584

BRIAN J. TERRY, CHRISTOPHER W. CIANDI, AND MOIRA E. HAGEN. Inhibition of Herpes Simplex Virus Type 1 DNA Polymerase by [1R(1α,2β,3α)]-9-[2,3-Bis(hydroxymethyl)cyclobutyl]guanine ................................................................. 591

GERARD B. ODELL, WILLIAM S. MOGILEVSKY, PHILIP B. W. SMITH, AND CATHERINE FENSELAU. Identification of Glutathione Conjugates of the Dimethyl Ester of Bilirubin in the Bile of Gunn Rats ............................................ 597