CONTENTS


Robert F. Bruns, Gina H. Lu, and Thomas A. Pugsley. Characterization of the A2 Adenosine Receptor Labeled by [3H]NECA in Rat Striatal Membranes ............... 331

Tohru Gonoi, Katsuro Ashida, Daniel Feller, John Schmidt, Motohatsu Fujiwara, and William A. Catterall. Mechanism of Action of a Polypeptide Neurotoxin from the Coral Coniopora on Sodium Channels in Mouse Neuroblastoma Cells .......................... 347

Nohad Gresh and Bernard Pullman. A Theoretical Study of the Binding of Phenothiazine Derivatives to Residues 82–93 of Calmodulin .................. 355

Donghee Kim and Thomas W. Smith. Effects of Amiloride and Ouabain on Contractile State, Ca and Na Fluxes, and Na Content in Cultured Chick Heart Cells ........ 363

Anne N. Tucker, Stephen J. Vore, and Michael I. Luster. Suppression of B Cell Differentiation by 2,3,7,8-Tetrachlorodibenzo-p-dioxin .......................... 372

Gene Barnett. Alteration of Cytosine-Guanine Interactions due to N7 Metal Cation Binding: A Structure-Activity Relationship for Cisplatin Analognes .......................... 378

L. Lee Bennett, Jr., Paula W. Allan, Lucy M. Rose, Robert N. Comber, and John A. Secrist III. Differences in the Metabolism and Metabolic Effects of the Carbocyclic Adenosine Analogs, Neplanocin A and Arestinomycin .......................... 383

Natalie E. Miller and James Halpert. Analogs of Chloramphenicol as Mechanism-Based Inactivators of Rat Liver Cytochrome P-450: Modifications of the Propanediol Side Chain, the p-Nitro Group, and the Dichloromethyl Moiety .......................... 391

Dennis R. Koop. Hydroxylation of p-Nitrophenol by Rabbit Ethanol-Inducible Cytochrome P-450 Isozyme 3A ........................................ 399

Steven A. Wrighton, Chris Campanile, Paul E. Thomas, Sarah L. Maines, Paul B. Watkins, George Parker, Gerald Mendez-Picon, Mitsuru Hanju, John E. Shively, Wayne Levin, and Philip S. Guzelian. Identification of a Human Liver Cytochrome P-450 Homologous to the Major Isosafrole-Inducible Cytochrome P-450 in the Rat ........................................ 405

Susan E. Wolfe, Charles O. Brostrom, and Margaret A. Brostrom. Mechanisms of Action of Inhibitors of Prolactin Secretion in GH3 Pituitary Cells. I. Ca2+–Dependent Inhibition of Amino Acid Incorporation .......................... 411

Susan E. Wolfe and Margaret A. Brostrom. Mechanisms of Action of Inhibitors of Prolactin Secretion in GH3 Pituitary Cells. II. Blockade of Voltage-Dependent Ca2+ Channels ........................................ 420

P. Dickie, A. R. Morgan, D. G. Scraba, and R. C. von Borstel. The Binding of the Anthelmintic Pyrvinium Cation to Deoxyribonucleic Acid In Vitro ........................ 427