CONTENTS

DONNA D. FLYNN AND LINCOLN T. POTTER. Effects of Solubilization on the Distinct Binding Properties of Muscarinic Receptors from Rabbit Hippocampus and Brain-stem .................................................. 193

T. KENDALL HARDEN, MICHELLE M. HENG, AND JOAN HELLER BROWN. Receptor Reserve in the Calcium-Dependent Cyclic AMP Response of Astrocytoma Cells to Muscarinic Receptor Stimulation: Demonstration by Agonist-Induced Desensitization, Receptor Inactivation, and Phorbol Ester Treatment ........................................ 200

M. MCKINNEY AND E. RICHELSON. Muscarinic Responses and Binding in a Murine Neuroblastoma Clone (N1E-115): Cyclic GMP Formation Is Mediated by a Low Affinity Agonist-Receptor Conformation and Cyclic AMP Is Mediated by a High Affinity Agonist-Receptor Conformation ........................................ 207


KELVIN W. GEE, LOWELL J. LAWRENCE, AND HENRY I. YAMAMURA. Modulation of the Chloride Ionophore by Benzodiazepine Receptor Ligands: Influence of \( \gamma \)-Aminobutyric Acid and Ligand Efficacy .......... 218

G. J. KILPATRICK, N. EL TAYAR, H. VAN DE WATERBEEMD, P. JENNER, B. TESTA, AND C. D. MARSDEN. The Thermodynamics of Agonist and Antagonist Binding to Dopamine D-2 Receptors .......... 226

SEYMOUR MONG, GLORIA CHI-ROSSO, JOANNE MILLER, KAREN HOFFMAN, KAZ A. RAZGATIS, PAUL BENDER, AND STANLEY T. CROOKE. Leukotriene B, Induces Formation of Inositol Phosphates in Rat Peritoneal Polymorphonuclear Leukocytes .... 235

ANDREW PALMA, JEFFREY M. HERZ, HOWARD H. WANG, AND PALMER TAYLOR. Association of a Spin-Labeled Local Anesthetic with the AllostERICALLY Coupled Non-competitive Inhibitor Site on the Acetylcholine Receptor .......... 243

JOSEPH A. NEAR. [3H]Dihydropyridine Binding to Bovine Striatal Synaptic Vesicles ........................................................................................................ 252

ANETTE M. JOHANSSON, ANDERS KARLEN, COR J. GROL, STAFFAN SUNDELL, LENNART KENNE, AND ULI HACKSELL. Dopaminergic 2-Aminotetralins: Affinities for Dopamine D2-Receptors, Molecular Structures, and Conformational Preferences .......... 258


SU-CHEN TSAI, RONALD ADAMIK, BETTY E. HOM, VINCENT C. MANGANIELLO, AND JOEL MOSS. Effects of Nitroprusside on the Bradykinin Responsiveness of Human Fibroblasts .................. 274


F. PETER GUENGERICH, DIETER MÜLLER-ENOH, AND IAN A. BLAIR. Oxidation of Quinidine by Human Liver Cytochrome P-450 .................................................. 287

BARBARA A. DOMIN, THEODORE R. DEVEREUX, AND RICHARD M. PHILPOT. The Cytochrome P-450 Monoxygenase System of Rabbit Lung: Enzyme Components, Activities, and Induction in the Nonciliated Bronchiolar Epithelial (Clara) Cell, Alveolar Type II Cell, and Alveolar Macrophage .......... 296