CONTENTS

SHORT COMMUNICATION
WILLIAM H. BULGER AND DAVID KUPFER. β-Diethylaminoethyl-2,2-diphenylpentanoate (SKF 525-A)-Mediated Translocation of Uterine Estrogen Receptor from the Cytosolic to the Nuclear Compartment in Isolated Rat Uteri. 533

RICHARD B. ROTHMAN AND THOMAS C. WESTFALL. Morphine Allosterically Modulates the Binding of [3H]Leucine Enkephalin to a Particulate Fraction of Rat Brain. 538

RICHARD B. ROTHMAN AND THOMAS C. WESTFALL. Allosteric Coupling between Morphine and Enkephalin Receptors in Vitro. 548


Y. KOUAKOU, J. M. ZAJAC, C. MOISAND, AND J. C. MEUNIER. The Opiate Receptor-Binding Interactions of Opiate Alkaloids and of an Opioid Peptide in Rat Brain Membranes: Selection by Manganese Ions and by Cholic Acid (Sodium Salt) and Minimalization of Cross-Reaction in Vitro. 564

T. KENDALL HARDEN, ANTHONY G. SCHEER, AND MC HARDY M. SMITH. Differential Modification of the Interaction of Cardiac Muscarinic Cholinergic and Beta-Adrenergic Receptors with a Guanine Nucleotide Binding Component(s). 570

M. WAELBROECK, P. ROBBERECHT, P. CHATELAIN, AND J. CHRISTOPHE. Rat Cardiac Muscarinic Receptors. I. Effects of Guanine Nucleotides on High- and Low-Affinity Binding Sites. 581

P. ROBBERECHT, M. WAELBROECK, M. CLAEYS, A. NGUYEN HUU, P. CHATELAIN, AND J. CHRISTOPHE. Rat Cardiac Muscarinic Receptors. II. Influence of Thyroid Status and Cardiac Hypertrophy. 589

BJÖRN RINGDAHL, FREDERICK J. EHLLER, AND DONALD J. JENDEN. Muscarinic Activity and Receptor Binding of the Enantiomers of Acetylcholine and its Methiodide. 594

JOHN J. MOONEY, WILLIAM C. HORNE, ROBERT I. HANDIN, JOSEPH J. SCHILDKRAUT, AND R. WAYNE ALEXANDER. Sodium Inhibits Both Adenylate Cyclase and High-Affinity 3H-Labeled p-Aminoclonidine Binding to Alpha2-Adrenergic Receptors in Purified Human Platelet Membranes. 600

LEE E. LIMBIRD, JANICE L. SPECK, AND SHARON K. SMITH. Sodium Ion Modulates Agonist and Antagonist Interactions with the Human Platelet Alpha2-Adrenergic Receptor in Membrane and Solubilized Preparations. 609

JAMES D. HIRSCH, RONALD L. KOCHMAN, AND PAUL R. SUMNER. Heterogeneity of Brain Benzodiazepine Receptors Demonstrated by 3HPropyl β-Carboline-3-carboxylate Binding. 618

MELANIE H. COBB, WYRTA HEAGY, JEAN DANNER, HOWARD M. LENHOFF, AND GARLAND R. MARSHALL. Structural and Conformational Properties of Peptides Interacting with the Glutathione Receptor of Hydra. 629

LUIS G. AGUAYO, JORDAN E. WARNICK, SAUL MAAYANI, STANLEY D. GLICK, HAREL WEINSTEIN, AND EDSON X. ALBUQUERQUE. Site of Action of Phencyclidine. IV. Interaction of Phencyclidine and Its Analogues on Ionic Channels of the Electrically Excitable Membrane and Nicotinic Receptor: Implications for Behavioral Effects. 637

SATORI YAMAZAKI, TOSHIKI KATADA, AND MICHIU UI. Alpha2-Adrenergic Inhibition of Insulin Secretion via Interference with Cyclic AMP Generation in Rat Pancreatic Islets. 648

(continued)