## CONTENTS

Dermot F. Cooper, Carol M. Bier-Laning, Marianne K. Halford, Michael K. Ahlianian, and Nancy R. Zahniser. Dopamine, Acting through \( \text{D-2} \) Receptors, Inhibits Rat Striatal Adenylate Cyclase by a GTP-Dependent Process .......................... 113

Keith A. Yagaloff and Paul R. Hartig. Solubilization and Characterization of the Serotonin 5-HT\(_1\)c Site from Pig Choroid Plexus .................................. 120

Kenneth A. Jacobson, Kenneth L. Kirk, William L. Padgett, and John W. Daly. A Functionalized Congener Approach to Adenosine Receptor Antagonists: Amino Acid Conjugates of 1,3-Dipropylxanthine ........................................... 126

D. A. Powis and P. F. Baker. \( \alpha_2 \)-Adrenoceptors Do Not Regulate Catecholamine Secretion by Bovine Adrenal Medullary Cells: A Study with Clonidine .................................................. 134

Stephen M. Strittmatter and Solomon H. Snyder. Characterization of Angiotensin Converting Enzyme by \[^{[3H]}\text{Captopril} \] Binding ........................................ 142

Takashi Mashimo, Hiroshi Kamaya, and Issaku Ueda. Anesthetic-Protein Interaction: Surface Potential of Bovine Serum Albumin Estimated by a \( \text{pH} \)-Sensitive Dye ......................................................... 149

David W. Potter, Dwight W. Miller, and Jack A. Hinson. Horseradish Peroxidase-Catalyzed Oxidation of Acetaminophen to Intermediates that Form Polymers or Conjugate with Glutathione .............................................. 155

John R. Cashman and D. M. Ziegler. Contribution of \( \text{N} \)-Oxygenation to the Metabolism of MPTP (1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine) by Various Liver Preparations .................................................. 163

David C. Heimbrook and Alan C. Sartorelli. Biochemistry of Misonidazole Reduction by NADPH-Cytochrome \( \text{c} \) (P-450) Reductase ......................................................... 168

Nelwyn T. Christie, Orazio Cantoni, Masayasu Sugiyama, Flaminio Cattabeni, and Max Costa. Differences in the Effects of \( \text{Hg(II)} \) on DNA Repair Induced in Chinese Hamster Ovary Cells by Ultraviolet or X-Rays ............................................. 173

Robert E. Oswald, Lee Michel, and Judith Bigelow. Mechanism of Binding of a Benzomorphan Opiate to the Acetylcholine Receptor from \( \text{Torpedo} \) Electroplaque .................................................. 179

Norimichi Nakahata, Michael W. Martin, Arlene R. Hughes, John R. Hepler, and T. Kendall Harden. \( \text{H}_1 \)-Histamine Receptors on Human Astrocytoma Cells ............................................... 188

Christopher J. Lynch, Veronica Prrp, Peter F. Blackmore, and John H. Exton. Effect of Isole-Activating Pertussis Toxin on the Binding Characteristics of \( \text{Ca}^{2+} \)-Mobilizing Hormones and on Agonist Activation of Phosphorylase in Hepatocytes ................................................................. 196

Tauseef R. Butt, Edmund J. Sternberg, Christopher K. Miraelli, and Stanley T. Crooke. Regulation of Metallothionein Gene Expression in Mammalian Cells by Gold Compounds ......................................................... 204