## **CONTENTS**

A. LESLIE MORROW AND IAN CREESE. Characterization of $\alpha_1$ -Adrenergic Receptor Subtypes in Rat Brain: A Reevaluation of [ $^3$ H]WB4101 and [ $^3$ H]Prazosin Binding	321
ROBERT F. BRUNS, GINA H. LU, AND THOMAS A. PUGSLEY. Characterization of the A <sub>2</sub> Adenosine Receptor Labeled by [ <sup>3</sup> H]NECA in Rat Striatal Membranes	331
TOHRU GONOI, KATSURO ASHIDA, DANIEL FELLER, JOHN SCHMIDT, MOTOHATSU FUJI- WARA, AND WILLIAM A. CATTERALL. Mechanism of Action of a Polypeptide Neuro- toxin 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 Analogues	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 Aristeromycin	383
NATALIE E. MILLER AND JAMES HALPERT. Analogues 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 HANIU, 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 GH <sub>3</sub> Pituitary Cells. I. Ca <sup>2+</sup> -Dependent Inhibition of Amino Acid Incorporation	411
Susan E. Wolfe and Margaret A. Brostrom. Mechanisms of Action of Inhibitors of Prolactin Secretion in GH <sub>3</sub> Pituitary Cells. II. Blockade of Voltage-Dependent Ca <sup>2+</sup> 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
MAURIZIO RECANATINI, TERI KLEIN, CHUN-ZHENG YANG, JUDITH MCCLARIN, ROBERT LANGRIDGE, AND CORWIN HANSCH. Quantitative Structure-Activity Relationships and Molecular Graphics in Ligand Receptor Interactions: Amidine Inhibition of Trypsin	436

MOLECULAR PHARMACOLOGY (ISSN 0026-895x) is published monthly by The American Society for Pharmacology and Experimental Therapeutics, 428 East Preston Street, Baltimore, MD 21202. Price per year: USA individual rate \$75.00; all other countries, surface mail \$90.00. USA institutional rate \$165.00; all other countries, surface mail \$180.00. (Prices subject to change). All subscription orders should be addressed to Molecular Pharmacology, 428 East Preston Street, Baltimore, MD 21202.

Second Class Postage paid at Baltimore, MD, and at additional mailing offices. POSTMASTER: send address changes to MOLECULAR PHARMACOLOGY, 428 East Preston Street, Baltimore, MD 21202.