

## CONTENTS

PHILIP SEEMAN, MASAYUKI WATANABE, DIMITRI GRIGORIADIS, JOSEPH TEDESCO, AND SUSAN R. GEORGE. Dopamine D <sub>2</sub> Receptor Binding Sites for Agonists: A Tetrahedral Model .....	391
KATHRYN K. MCMAHON AND M. MARLENE HOSEY. Agonist Interactions with Cardiac Muscarinic Receptors: Effects of Mg <sup>2+</sup> , Guanine Nucleotides, and Monovalent Cations .....	400
FREDERICK J. EHLERT. The Relationship between Muscarinic Receptor Occupancy and Adenylate Cyclase Inhibition in the Rabbit Myocardium .....	410
JOHN T. TURNER, CARLA RAY-PRENGER, AND DAVID B. BYLUND. $\alpha_2$ -Adrenergic Receptors in the Human Cell Line, HT29: Characterization with the Full Agonist Radioligand [ <sup>3</sup> H]UK-14,304 and Inhibition of Adenylate Cyclase .....	422
JEREMY M. HENLEY. Epinephrine-Stimulated Maintained Rubidium Efflux from Guinea Pig Hepatocytes May Involve $\alpha_1$ - and $\alpha_2$ -Adrenoceptors .....	431
PAUL CULVER, MARK BURCH, CAROL POTENZA, LINDA WASSERMAN, WILLIAM FENICAL, AND PALMER TAYLOR. Structure-Activity Relationships for the Irreversible Blockade of Nicotinic Receptor Agonist Sites by Lophotoxin and Congeneric Diterpene Lactones .....	436
ANDREW S. KENDE, FRANK H. EBETINO, WILLIAM B. DRENDEL, M. SUNDARALINGAM, EDWARD GLOVER, AND ALAN POLAND. Structure-Activity Relationship of Bispyridyloxybenzene for Induction of Mouse Hepatic Aminopyrine N-Demethylase Activity: Chemical, Biological, and X-Ray Crystallographic Studies .....	445
JAMES D. MOYER, JEAN M. KARLE, NANCY MALINOWSKI, VICTOR E. MARQUEZ, MOHAMMED A. SALAM, LOUIS MALSPEIS, AND RICHARD CYSYK. Inhibition of Uridine Kinase and the Salvage of Uridine by Modified Pyrimidine Nucleosides .....	454
SONDRA H. BERGER, CHUNG-HER JENH, LEE F. JOHNSON, AND FRANKLIN G. BERGER. Thymidylate Synthase Overproduction and Gene Amplification in Fluorodeoxyuridine-Resistant Human Cells .....	461
HIROKO SATOH, JAMES R. GILLETTE, HELEN W. DAVIES, RICHARD D. SCHULICK, AND LANCE R. POHL. Immunochemical Evidence of Trifluoroacetylated Cytochrome P-450 in the Liver of Halothane-Treated Rats .....	468
RICHARD R. NEUBIG, ROBIN D. GANTZOS, AND ROBERT S. BRAZIER. Agonist and Antagonist Binding to $\alpha_2$ -Adrenergic Receptors in Purified Membranes from Human Platelets: Implications of Receptor-Inhibitory Nucleotide-Binding Protein Stoichiometry ..	475

---

MOLECULAR PHARMACOLOGY (ISSN 0026-895x) is published monthly by The American Society for Pharmacology and Experimental Therapeutics, 428 East Preston Street, Baltimore, MD 21202. 1985: Volumes 27-28. 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. All subscription orders should be addressed to Molecular Pharmacology, Williams & Wilkins Co., 428 East Preston Street, Baltimore, MD 21202. Send notice of address changes at least 6-8 weeks in advance. Second Class Postage paid at Baltimore, MD, and at additional mailing offices. POSTMASTER send address changes (Form 3579) to 428 East Preston Street, Baltimore, MD 21202.

Copyright © 1985 by The American Society for Pharmacology and Experimental Therapeutics.