CONTENTS

RONALD E. TYNES AND RICHARD M. PHILPOT. Tissue- and Species-Dependent Expression of Multiple Forms of Mammalian Microsomal Flavin-Containing Monooxygenase	569
AMY L. BULLER, MARGIE L. CLAPPER, AND KENNETH D. TEW. Glutathione S-Transferases in Nitrogen Mustard-Resistant and -Sensitive Cell Lines	575
MASAKIYO HOSOKAWA, TAKAKO MAKI, AND TETSUO SATOH. Multiplicity and Regulation of Hepatic Microsomal Carboxylesterase in Rats	579
MICHAEL W. H. COUGHTRIE, BRIAN BURCHELL, ISOBEL M. SHEPERD, AND JOHN R. BEND. Defective Induction of Phenol Glucuronidation by 3-Methylcholanthrene in Gunn Rats Is Due to the Absence of a Specific UDP-Glucuronsyltransferase Isoenzyme	585
EMANUEL MELLER, KAREN BOHMAKER, YOICHIRO NAMBA, ARNOLD J. FRIEDHOFF, AND MENEK GOLDSTEIN. Relationship Between Receptor Occupancy and Response at Striatal Dopamine Autoreceptors	592
HENRY I. MOSBERG, JOHN R. OMNAAS, AND AVRAM GOLDSTEIN. Structural Requirements for δ Opioid Receptor Binding	599
AVRAM GOLDSTEIN AND RONALD W. BARRETT. Ligand Dissociation Constants from Competition Binding Assays: Errors Associated with Ligand Depletion	603
HARVEY ALAN BERMAN, MILDRED M. DECKER, MARK W. NOWAK, KATHRYN J. LEONARD, MARLENE McCauley, Wm. Mark Baker, and Palmer Taylor. Site Selectivity of Fluorescent Bisquaternary Phenanthridinium Ligands for Acetylcholinesterase	610
NOHAD GRESH. Theoretical Studies of the Binding of Trifluoperazine Derivatives to Site (82-93) of Calmodulin: Effect of Lengthenings of the Methylene Linker Chain on the Binding Affinity	617
YEONG-SHOU TSAI, SHAO-MU MA, HIROSHI KAMAYA, AND ISSAKU UEDA. Fourier Transform Infrared Studies on Phospholipid Hydration: Phosphate-Oriented Hydrogen Bonding and Its Attenuation by Volatile Anesthetics	623
LESTER A. REINKE, JOEL S. TUPPER, PHILLIP R. SMITH, AND DAVID J. SWEENY. Diminished Pentose Cycle Flux in Perfused Livers of Ethanol-Fed Rats	631
TARUN B. PATEL, HANI M. RASHED, JOHN DYSON, AND FELICIA M. WALLER. Stimulation of Biliary Glutathione Secretion by Sulfonylureas	638
ANGELO A. VLESSIS AND LEENA MELA-RIKER. Selenite-Induced NAD(P)H Oxidation and Calcium Release in Isolated Mitochondria: Relationship to In Vivo Toxicity	643
D. J. PORUBEK, M. RUNDGREN, P. J. HARVISON, S. D. NELSON, AND P. MOLDÉUS. Investigation of Mechanisms of Acetaminophen Toxicity in Isolated Rat Hepatocytes with the Acetaminophen Analogues 3,5-Dimethylacetaminophen and 2,6-Dimethylacetaminophen	647
Author Index for Volume 31	654
SUBJECT INDEX FOR VOLUME 31	659

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.

Copyright © 1987 by The American Society for Pharmacology and Experimental Therapeutics.

