

CONTENTS

VINCENT HOMBURGER, PHILIPPE BRABET, YVES AUDIGIER, COLETTE PANTALONI, JOËL BOCKAERT, AND BRUNO ROUOT. Immunological Localization of the GTP-Binding Protein G _o in Different Tissues of Vertebrates and Invertebrates	313
ROBERT R. VANDERSLICE, BARBARA A. DOMIN, GERALDINE T. CARVER, AND RICHARD M. PHILPOT. Species-Dependent Expression and Induction of Homologues of Rabbit Cytochrome P-450 Isozyme 5 in Liver and Lung	320
STEVEN G. BLANCHARD, PAUL H. K. LEE, W. W. PUGH, J. S. HONG, AND K.-J. CHANG. Characterization of the Binding of a Morphine (μ) Receptor-Specific Ligand: Tyr-Pro-NMePhe-D-Pro-NH ₂ , [³ H]-PL17	326
PIER ANDREA BOREA, GASTONE GILLI, VALERIO BERTOLASI, AND VALERIA FERRETTI. Stereochemical Features Controlling Binding and Intrinsic Activity Properties of Benzodiazepine-Receptor Ligands	334
ALEXSANDER P. MAZUREK, ROMAN OSMAN, AND HAREL WEINSTEIN. Molecular Determinants for Recognition of Triazole and Tetrazole Analogs of Histamine H ₂ -Receptors	345
BJÖRN RINGDAHL. Selectivity of Partial Agonists Related to Oxotremorine Based on Differences in Muscarinic Receptor Reserve Between the Guinea Pig Ileum and Urinary Bladder	351
ANDREW SHENKER, SAUL MAAYANI, HAREL WEINSTEIN, AND JACK PETER GREEN. Pharmacological Characterization of Two 5-Hydroxytryptamine Receptors Coupled to Adenylate Cyclase in Guinea Pig Hippocampal Membranes	357
ANGELA WONG, SHING MEI HWANG, HUNG-YUAN CHENG, AND STANLEY T. CROOKE. Structure-Activity Relationships of β -Adrenergic Receptor-Coupled Adenylate Cyclase: Implications of a Redox Mechanism for the Action of Agonists at β -Adrenergic Receptors	368
MARIAN T. NAKADA, JEFFREY M. STADEL, KAREN S. POKSAY, AND STANLEY T. CROOKE. Glucocorticoid Regulation of β -Adrenergic Receptors in 3T3-L1 Preadipocytes	377
M. QUIK, S. GEERTSEN, AND J. M. TRIFARÓ. Marked Up-Regulation of the α -Bungarotoxin Site in Adrenal Chromaffin Cells by Specific Nicotinic Antagonists	385
PATRICK M. LIPPIELLO, STEPHEN B. SEARS, AND KAY G. FERNANDES. Kinetics and Mechanism of L-[³ H]Nicotine Binding to Putative High Affinity Receptor Sites in Rat Brain	392
DIANA L. KUNZE, SUSAN L. HAMILTON, MARY J. HAWKES, AND ARTHUR M. BROWN. Dihydropyridine Binding and Calcium Channel Function in Clonal Rat Adrenal Medullary Tumor Cells	401
TOSHIMASA ISHIDA, YASUKO IN, MEGUMI SHIBATA, MITSUNOBU DOI, MASATOSHI INOUE, AND ISAO YANAGISAWA. On the Structure-Activity Relationship of Histamine H ₂ -Receptor Antagonists Based on the X-Ray Crystal Structures and ¹ H-NMR Spectra of Amidine Derivatives	410
CAROLYN MOTTLEY, KATHRYN TOY, AND RONALD P. MASON. Oxidation of Thiol Drugs and Biochemicals by the Lactoperoxidase/Hydrogen Peroxide System	417
NANA K. AYISI, RICHARD A. WALL, R. JAMES WANKLIN, HARUHIKO MACHIDA, ERIK DE CLERCQ, AND STEPHEN L. SACKS. Comparative Metabolism of E-5-(2-Bromovinyl)-2'-deoxyuridine and 1- β -D-Arabinofuranosyl-3-5-(2-bromovinyl)uracil in Herpes Simplex Virus-Infected Cells	422

Continued

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.

This One



UN1P-WYX-X4PW

CONTENTS (cont'd.)

GUO-XIAN CHEN, CATHERINE MUELLER, MONIKA WENDLINGER, AND J. WERNER ZOLG. Kinetic and Molecular Properties of the Dihydrofolate Reductase from Pyrimethamine-Sensitive and Pyrimethamine-Resistant Clones of the Human Malaria Parasite <i>Plasmodium falciparum</i>	430
B. A. SMITH, J. R. SPRINGFIELD, AND H. R. GUTMANN. Solvolysis and Metabolic Degradation, by Rat Liver, of the Ultimate Carcinogen, <i>N</i> -Sulfonyl-2-acetylaminofluorene	438
HERBERT H. ANDRES, R. SCOTT VOGEL, GEORGE E. TARR, LINDA JOHNSON, AND WENDELL W. WEBER. Purification, Physicochemical, and Kinetic Properties of Liver Acetyl-CoA: Arylamine <i>N</i> -Acetyltransferase from Rapid Acetylators Rabbits	446
GILLES KLOPMAN AND OREST T. MACINA. Computer-Automated Structure Evaluation of Antileukemic 9-Anilinoacridines	457

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

All Rights Reserved

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without permission in writing from the copyright owner.

The appearance of the code at the bottom of the first page of an article in this journal indicates the copyright owner's consent that copies of this article may be made for personal or internal use, or for the personal or internal use of specific clients. This consent is given on the condition, however, that the copier pay the stated per copy fee through the Copyright Clearance Center, Inc., (21 Congress Street, Salem, Massachusetts 01970), for copying beyond that permitted by Sections 107 or 108 of the U.S. Copyright Law. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. Copy fees for pre-1986 articles are the same as those shown for current articles.