

CONTENTS

ARTICLES

- J. PETER LONGABAUGH, JOHN DIDSBURY, ALLEN SPIEGEL, AND GARY L. STILES. Modification of the Rat Adipocyte A_1 Adenosine Receptor-Adenylate Cyclase System during Chronic Exposure to an A_1 Adenosine Receptor Agonist: Alterations in the Quantity of G_{sa} and G_{ia} Are Not Associated with Changes in Their mRNAs 681
- ROGER G. SORENSEN AND MORDECAI P. BLAUSTEIN. Rat Brain Dendrotoxin Receptors Associated with Voltage-Gated Potassium Channels: Dendrotoxin Binding and Receptor Solubilization 689
- EDWARD T. MORGAN. Suppression of Constitutive Cytochrome P-450 Gene Expression in Livers of Rats Undergoing an Acute Phase Response to Endotoxin 699
- STEVEN ESTUS AND JEFFREY L. BLUMER. Role of Microtubule Assembly in Phenytoin Teratogenic Action in the Sea Urchin (*Arbacia punctulata*) Embryo 708
- YASUSHI YAMAZOE, NORIE MURAYAMA, MIKI SHIMADE, SUSUMU IMAOKA, YOSHIHIKO FUNAE, AND RYUICHI KATO. Suppression of Hepatic Levels of an Ethanol-Inducible P-450DM/j by Growth Hormone: Relationship between the Increased Level of P-450DM/j and Depletion of Growth Hormone in Diabetes 716
- JOHN J. STEGEMAN, MICHAEL R. MILLER, AND DAVID E. HINTON. Cytochrome P450IA1 Induction and Localization in Endothelium of Vertebrate (Teleost) Heart 723
- SHIN-ICHI AKIYAMA, AKIHIKO YOSHIMURA, HIROSHI KIKUCHI, TOMOYUKI SUMIZAWA, MICHIOHICO KUWANO, AND YOSHIYUKI TAHARA. Synthetic Isoprenoid Photoaffinity Labeling of P-Glycoprotein Specific to Multidrug-Resistant Cells 730
- RICHARD G. MORAN, PAUL D. COLMAN, AND TERENCE R. JONES. Relative Substrate Activities of Structurally Related Pteridine, Quinazoline, and Pyrimidine Analogs for Mouse Liver Polyglutamate Synthetase 736
- LAURA E. NAGY, IVAN DIAMOND, KATHLEEN COLLIER, LELEN LOPEZ, BUDDY ULLMAN, AND ADRIENNE S. GORDON. Adenosine Is Required for Ethanol-Induced Heterologous Desensitization 744
- WILLIAM LEE AND BARRY B. WOLFE. Regulation of Muscarinic Receptor Subtypes and Their Responsiveness in Rat Brain Following Chronic Atropine Administration 749
- IAN J. REYNOLDS AND RICHARD J. MILLER. Ifenprodil Is a Novel Type of N-Methyl-D-aspartate Receptor Antagonist: Interaction with Polyamines 758
- RICHARD K. GORDON, ELI BREUER, FELIPE N. PADILLA, RUTHANN M. SMEJKAL, AND PETER K. CHIANG. Distance Geometry of α -Substituted 2,2-Diphenylpropionate Antimuscarinics 766
- PETER G. GILLESPIE AND JOSEPH A. BEAVO. Inhibition and Stimulation of Photoreceptor Phosphodiesterases by Dipyrindamole and M&B 22,948 773
- KEITH B. GLASER, MARIANNE S. DE CARVALHO, ROBERT S. JACOBS, MICHAEL R. KERNAN, AND D. JOHN FAULKNER. Manoalide: Structure-Activity Studies and Definition of the Pharmacocore for Phospholipase A_2 Inactivation 782
- MICHAEL E. O'LEARY AND BRUCE K. KRUEGER. Batrachotoxin and α -Scorpion Toxin Stabilize the Open State of Single Voltage-Gated Sodium Channels 789
- LAWRENCE G. MILLER, R. BETH ROY, AND CHERYL L. WEILL. Chronic Clonazepam Administration Decreases γ -Aminobutyric Acid $_A$ Receptor Function in Cultured Cortical Neurons 796

Continued

MOLECULAR PHARMACOLOGY (ISSN 0026-895x) is an official publication of The American Society for Pharmacology and Experimental Therapeutics and is published monthly by Williams & Wilkins, 428 East Preston Street, Baltimore, MD 21202-3993. Price per year: USA individual rate \$85; Japan \$151 (includes air freight); all other countries, surface mail \$110. USA institutional rate \$185; Japan \$251 (includes air freight); all other countries, surface mail \$210. Single copies \$17 (\$20 foreign). (Prices subject to change). All subscription orders should be addressed to Molecular Pharmacology, 428 East Preston Street, Baltimore, MD 21202-3993.

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 21202-3993.

Copyright © 1989 by The American Society for Pharmacology and Experimental Therapeutics.

CONTENTS (cont'd)

HIROKI OZAWA AND MARK M. RASENICK. Coupling of the Stimulatory GTP-Binding Protein G _s to Rat Synaptic Membrane Adenylate Cyclase Is Enhanced Subsequent to Chronic Antidepressant Treatment	803 ✓
DAVID THOMPSON AND THOMAS ELING. Mechanism of Inhibition of Prostaglandin H Synthase by Eugenol and Other Phenolic Peroxidase Substrates	809
VICTOR S. GOLDMACHER, WALTER A. BLÄTTLER, JOHN M. LAMBERT, GAIL BUTLER, AND JEAN STEWART. Cytotoxicity of Gelonin Conjugated to Targeting Molecules: Effects of Weak Amines, Monensin, Adenovirus, and Adenoviral Capsid Proteins Penton, Hexon, and Fiber	818
ERRATUM	823

Copyright © 1989 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.