

CONTENTS

ACCELERATED COMMUNICATION

- IAN J. REYNOLDS AND RICHARD J. MILLER. Multiple Sites for the Regulation of the *N*-Methyl-D-Aspartate Receptor 581

ARTICLES

- AMRAT PATEL, REBECCA H. CRAIG, SUSAN M. DALUGE, AND JOEL LINDEN. ¹²⁵I-BW-A844U, an Antagonist Radioligand with High Affinity and Selectivity for Adenosine A₁ Receptors, and ¹²⁵I-Azido-BW-A844U, A Photoaffinity Label 585
- YUKIKO YAJIMA, YOSHIKO AKITA, AND TOSHIKAZU SAITO. Effects of Cholera Toxin on the Coupling of Thyrotropin-Releasing Hormone to a Guanine Nucleotide-Binding Protein in Cultured GH₃ Cells 592
- TOMOHIKO ISHIKAWA, TAKASHI CHIJIWA, MASATOSHI HIGIWARA, SHIGEO MAMIYA, MASHIRO SAITOH, AND HIROYOSHI HIDAKA. ML-9 Inhibits the Vascular Contraction via the Inhibition of Myosin Light Chain Phosphorylation 598
- SEIJI NAKAMURA, KAZUHIRO OHMI, AND YOSHIKI NONOMURA. Low Concentration of Reserpine Accelerates Actin Polymerization via Interaction with G-Actin 604
- JEFFREY ROSENBERG AND PAUL SATO. Messenger RNA Loses the Ability to Direct *In Vitro* Peptide Synthesis following Incubation with Cisplatin 611
- ETTORE GIRALDO, MARIA ALESSANDRA VIGANO, RUDOLF HAMMER, AND HERBERT LADINSKY. Characterization of Muscarinic Receptors in Guinea Pig Ileum Longitudinal Smooth Muscle 617
- JILL DONALDSON, STEPHEN J. HILL, AND ANTHONY M. BROWN. Kinetic Studies on the Mechanism by which Histamine H₁ Receptors Potentiate Cyclic AMP Accumulation in Guinea Pig Cerebral Cortical Slices 626
- MICHAEL BLANTON, ELIZABETH MCCARDY, TIM GALLAHER, AND HOWARD H. WANG. Noncompetitive Inhibitors Reach Their Binding Site in the Acetylcholine Receptor by Two Different Paths 634
- IAIN F. JAMES, CHRISTOPHER S. J. WALPOLE, JOSEPHINE HIXON, JOHN N. WOOD, AND ROGER WRIGGLESWORTH. Long-Lasting Agonist Activity Produced by a Capsaicin-like Photoaffinity Probe 643
- ROGER D. NOLAN, ROBERTA M. DANILOWICZ, AND THOMAS E. ELING. Role of Arachidonic Acid Metabolism in the Mitogenic Response of BALB/c 3T3 Fibroblasts to Epidermal Growth Factor 650
- CYNTHIA HUMPHREYS, JENNIFER LEVIN, AND GARY RUDNICK. Antidepressant Binding to the Porcine and Human Platelet Serotonin Transporters 657
- MARK A. SIMMONS AND H. CRISS HARTZELL. Role of Phosphodiesterase in Regulation of Calcium Current in Isolated Cardiac Myocytes 664
- FRANÇOIS DARCHEN, DANIEL SCHERMAN, PIERRE M. LADURON, AND JEAN-PIERRE HENRY. Ketanserin Binds to the Monoamine Transporter of Chromaffin Granules and of Synaptic Vesicles 672
- FERENC OROSZ, TANIA Y. CHRISTOVA, AND JUDIT OVÁDI. Functional *In Vitro* Test of Calmodulin Antagonism: Effect of Drugs on Interaction between Calmodulin and Glycolytic Enzymes 678
- JAMES D. MOYER, OFER REIZES, SURENDER AHIR, CONG JIANG, NANCY MALINOWSKI, AND DAVID C. BAKER. Substrate Properties of Analogs of *myo*-Inositol 683

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; Japan \$123.00 (includes air freight); all other countries, surface mail \$90.00. USA institutional rate \$165.00; Japan \$213.00 (includes air freight); 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 © 1988 by The American Society for Pharmacology and Experimental Therapeutics.

CONTENTS (cont'd.)

| | |
|---|-----|
| C. ANTHONY ALTAR, BRET BERNER, PAULA BEALL, STEPHEN F. CARLSEN, AND WILLIAM C. BOYAR. Dopamine Release and Metabolism after Chronic Delivery of Selective or Nonselective Dopamine Autoreceptor Agonists | 690 |
| RICARDO P. GARAY, CORINNE NAZARET, PATRICK A. HANNAERT, AND EDWARD J. CRAGOE. Demonstration of a [K ⁺ , Cl ⁻]-Cotransport System in Human Red Cells by Its Sensitivity to [(Dihydroindenyl)oxy]alkanoic Acids: Regulation of Cell Swelling, and Distinction from the Bumetanide-Sensitive [Na ⁺ , K ⁺ , Cl ⁻]-Cotransport System | 696 |
| LYAQUATALI A. DAMANI, WILLIAM F. POOL, PETER A. CROOKS, R. KEITH KADERLIK, AND DANIEL M. ZIEGLER. Stereoselectivity in the N'-Oxidation of Nicotine Isomers by Flavin-Containing Monooxygenase | 702 |
| MICHAEL J. GRAZIANO, ISSAC N. PESSAH, MASAFUMI MATSUZAWA, AND JOHN E. CASIDA. Partial Characterization of Specific Cantharidin Binding Sites in Mouse Tissues | 706 |
| MASAHIDE HASOBE, JAMES G. MCKEE, DAVID R. BORCHERDING, BRADLEY T. KELLER, AND RONALD T. BORCHARDT. Effects of 9-(<i>trans</i> -2', <i>trans</i> -3'-Dihydroxycyclopent-4'-enyl)-adenine and -3-Deazaadenine on the Metabolism of S-Adenosylhomocysteine in Mouse L929 Cells | 713 |
| ERRATUM | 720 |
| AUTHOR INDEX FOR VOLUME 33 | 721 |
| SUBJECT INDEX FOR VOLUME 33 | 726 |

Copyright © 1988 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.