MINIREVIEWS
Glutamatergic (N-Methyl-d-aspartate Receptor) Hypofrontality in Schizophrenia: Too Little Juice or a Miswired Brain?
Gerard J. Marek, Berthold Behl, Anton Y. Bespalov, Gerhard Gross, Younglim Lee, and Hans Schoemaker

ARTICLES
Genetic Deletion of p90 Ribosomal S6 Kinase 2 Alters Patterns of 5-Hydroxytryptamine
Receptor Functional Selectivity
Ryan T. Strachan, Noah Sciaky, Mark R. Cronan, Wesley K. Kroeze, and Bryan L. Roth

Phosphorylation of the \(\mu\)-Opioid Receptor at Tyrosine 166 (Tyr3.51) in the DRY Motif Reduces Agonist Efficacy
Cecilea C. Clayton, Michael R. Bruchas, Michael L. Lee, and Charles Chavkin

Pleiotropic Effects of YC-1 Selectively Inhibit Pathological Retinal Neovascularization and Promote Physiological Revascularization in a Mouse Model of Oxygen-Induced Retinopathy
M. DeNiro, A. Al-Halafi, F. H. Al-Mohanna, O. Alsmadi, and F. A. Al-Mohanna

Simple 2,4-Diacetylphloroglucinols as Classic Transient Receptor Potential-6 Activators—Identification of a Novel Pharmacophore

Tirucallic Acids Are Novel Pleckstrin Homology Domain-Dependent Akt Inhibitors Inducing Apoptosis in Prostate Cancer Cells
Aydee C. Estrada, Tatiana Syrovets, Kai Pitterle, Oleg Lunov, Berthold Büchele, Judith Schimana-Pfeifer, Thomas Schmidt, Samy A. F. Morad, and Thomas Simmet

The Small GTPase Ral Couples the Angiotensin II Type 1 Receptor to the Activation of Phospholipase C-ß1

Molecular Pharmacology (ISSN 0026-895X) is published monthly (two volumes per year beginning in January and July) by the American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, MD 20814-3995; e-mail: subscriptions@aspet.org; Web site: aspet.org. Periodicals postage paid at Bethesda, MD, and at additional mailing offices. POSTMASTER: Send address changes to Molecular Pharmacology, 9650 Rockville Pike, Bethesda, MD 20814-3995. Subscription rates: U.S.: $707.00; outside the U.S.: $799.00. Single copy: $63.00. GST Tax Number for Canadian subscribers: BN:13489 2330 RT. Indexed or abstracted by Biochemistry & Biophysics Citation Index®, Biological Abstracts, Current Awareness in Biological Sciences, Current Contents/Life Sciences, EMBASE/Excerpta Medica, Index Medicus, Medical Documentation Service®, Reference Update®, Research Alert®, Science Citation Index®, and SciSearch®. Copyright © 2010 by the American Society for Pharmacology and Experimental Therapeutics. All rights reserved. Printed in the U.S.A.
Activation of Nerve Growth Factor-Induced Bax by Methylene-Substituted Diindolylmethanes in Bladder Cancer Cells Induces Apoptosis and Inhibits Tumor Growth
Sung Dae Cho, Syng-Ook Lee, Sudhakar Chintharlapalli, Maen Abdelrahim, Shaheen Khan, Kyungsil Yoon, Ashish M. Kamat, and Stephen Safe 396

Role for the Regulator of G-Protein Signaling Homology Domain of G Protein-Coupled Receptor Kinases 5 and 6 in β2-Adrenergic Receptor and Rhodopsin Phosphorylation
Faiza Baameur, Daniel H. Morgan, Hui Yao, Tuan M. Tran, Richard A. Hammitt, Subir Sabui, John S. McMurray, and Richard B. Clark 405

Acquired Activation of the Akt/Cyclooxygenase-2/Mcl-1 Pathway Renders Lung Cancer Cells Resistant to Apoptosis
Wenjie Chen, Lang Bai, Xia Wang, Shanling Xu, Steven A. Belinsky, and Yong Lin 416

Long-Term Fluoxetine Treatment Modulates Cannabinoid Type 1 Receptor-Mediated Inhibition of Adenylyl Cyclase in the Rat Prefrontal Cortex through 5-Hydroxytryptamine1A Receptor-Dependent Mechanisms
Susana Mato, Rebeca Vidal, Elena Castro, Álvaro Díaz, Ángel Pazos, and Elsa M. Valdizán 424

Phosphatidylinositol 3,4,5-Triphosphate-Dependent Rac Exchanger 1 (P-Rex-1), a Guanine Nucleotide Exchange Factor for Rac, Mediates Angiogenic Responses to Stromal Cell-Derived Factor-1/Chemokine Stromal Cell Derived Factor-1 (SDF-1/CXCL-12) Linked to Rac Activation, Endothelial Cell Migration, and in Vitro Angiogenesis
Jorge Carretero-Ortega, Colin T. Walsh, Ricardo Hernández-García, Guadalupe Reyes-Cruz, Joan Heller Brown, and José Vázquez-Prado 435

Iron Chelator-Mediated Alterations in Gene Expression: Identification of Novel Iron-Regulated Molecules That Are Molecular Targets of Hypoxia-Inducible Factor-1α and p53
Federica Saletta, Yohan Suryo Rahmanto, Egarit Noulsri, and Des R. Richardson 443

Context-Dependent Pharmacology Exhibited by Negative Allosteric Modulators of Metabotropic Glutamate Receptor 7
Colleen M. Niswender, Kari A. Johnson, Nicole R. Miller, Jennifer E. Ayala, Qingwei Luo, Richard Williams, Samir Saleh, Darren Orton, C. David Weaver, and P. Jeffrey Conn 459

cAMP Analogs and Their Metabolites Enhance TREK-1 mRNA and K+ Current Expression in Adrenocortical Cells
Judith A. Enyeart, Haiyan Liu, and John J. Enyeart 469

The Bcl-2 Homology Domain 3 Mimetic ABT-737 Targets the Apoptotic Machinery in Acute Lymphoblastic Leukemia Resulting in Synergistic in Vitro and in Vivo Interactions with Established Drugs
Laura M. High, Barbara Szymanska, Urszula Wilczynska-Kalak, Nicole Barber, Rosemary O’Brien, Seong Lin Khaw, Ingela B. Vikstrom, Andrew W. Roberts, and Richard B. Lock 483

Supplemental material is available online at http://molpharm.aspetjournals.org.

About the cover: Dual targeting of retinal vasculature: YC-1 selectively inhibits pathologic, but not physiologic, retinal neovascularization. See the article by DeNiro et al. on page 348 of this issue.