

MOLECULAR PHARMACOLOGY

February 2011

Volume 79

Number 2

molpharm.aspetjournals.org

ISSN 0026-895X

ARTICLES

- 5 Tetrandrine Inhibits Wnt/ β -Catenin Signaling and Suppresses Tumor Growth of Human Colorectal Cancer
Bai-Cheng He, Jian-Li Gao, Bing-Qiang Zhang, Qing Luo, Qiong Shi, Stephanie H. Kim, Enyi Huang, Yanhong Gao, Ke Yang, Eric R. Wagner, Linyuan Wang, Ni Tang, Jinyong Luo, Xing Liu, Mi Li, Yang Bi, Jikun Shen, Gaurav Luther, Ning Hu, Qixin Zhou, Hue H. Luu, Rex C. Haydon, Yingming Zhao, and Tong-Chuan He 211
- Robust Protective Effects of a Novel Multimodal Neuroprotectant Oxopropanoyloxy Benzoic Acid (a Salicylic Acid/Pyruvate Ester) in the Postischemic Brain
Seung-Woo Kim, Hyun Ji Kim, Joo-Hyun Shin, Il-Doo Kim, Jung-Eun Lee, Pyung-Lim Han, Sung-Hwa Yoon, and Ja-Kyeong Lee 220
- Multidrug Resistance-Related Protein 1 (MRP1) Function and Localization Depend on Cortical Actin
Ina Hummel, Karin Klappe, Cigdem Ercan, and Jan Willem Kok 229
- 5 Itraconazole-Induced Cholestasis: Involvement of the Inhibition of Bile Canalicular Phospholipid Translocator MDR3/ABCB4
Takashi Yoshikado, Tappei Takada, Takehito Yamamoto, Hiroko Yamaji, Kousei Ito, Tomofumi Santa, Hiromitsu Yokota, Yutaka Yatomi, Haruhiko Yoshida, Jun Goto, Shoji Tsuji, and Hiroshi Suzuki 241
- 5 Regulation of M₃ Muscarinic Receptor Expression and Function by Transmembrane Protein 147
Erica Rosemond, Mario Rossi, Sara M. McMillin, Marco Scarselli, Julie G. Donaldson, and Jürgen Wess 251
- 5 A Structural Insight into the Reorientation of Transmembrane Domains 3 and 5 during Family A G Protein-Coupled Receptor Activation
Kamonchanok Sansuk, Xavier Deupi, Ivan R. Torrecillas, Aldo Jongejan, Saskia Nijmeijer, Remko A. Bakker, Leonardo Pardo, and Rob Leurs 262
- 5 Differential Signaling of Cysteinyl Leukotrienes and a Novel Cysteinyl Leukotriene Receptor 2 (CysLT₂) Agonist, *N*-Methyl-Leukotriene C₄, in Calcium Reporter and β Arrestin Assays
Dong Yan, Rino Stocco, Nicole Sawyer, Michael E. Nesheim, Mark Abramovitz, and Colin D. Funk 270

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@aset.org; Web site: aset.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.: \$714; outside the U.S.: \$806. Single copy: \$63. 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 © 2011 by the American Society for Pharmacology and Experimental Therapeutics. All rights reserved. Printed in the U.S.A.

A Novel Pentamethoxyflavone Down-Regulates Tumor Cell Survival and Proliferative and Angiogenic Gene Products through Inhibition of I κ B Kinase Activation and Sensitizes Tumor Cells to Apoptosis by Cytokines and Chemotherapeutic Agents <i>Kanokkarn Phromnoi, Simone Reuter, Bokyung Sung, Sahdeo Prasad, Ramaswamy Kannappan, Vivek R. Yadav, Wisinee Chanmahasathien, Pornngarm Limtrakul, and Bharat B. Aggarwal</i>	279
Design, Preparation, and Characterization of High-Activity Mutants of Human Butyrylcholinesterase Specific for Detoxification of Cocaine <i>Liu Xue, Mei-Chuan Ko, Min Tong, Wenchao Yang, Shurong Hou, Lei Fang, Junjun Liu, Fang Zheng, James H. Woods, Hsin-Hsiung Tai, and Chang-Guo Zhan</i>	290
Quantification of Functional Selectivity at the Human α_{1A} -Adrenoceptor <i>Bronwyn A. Evans, Natalie Broxton, Jon Merlin, Masaaki Sato, Dana S. Hutchinson, Arthur Christopoulos, and Roger J. Summers</i>	298
Transcription Factor E2F-Associated Phosphoprotein (EAPP), RAM2/CDCA7L/JPO2 (R1), and Simian Virus 40 Promoter Factor 1 (Sp1) Cooperatively Regulate Glucocorticoid Activation of Monoamine Oxidase B <i>Kevin Chen, Xiao-Ming Ou, Jason Boyang Wu, and Jean C. Shih</i>	308
Risperidone-Induced Inactivation and Clozapine-Induced Reactivation of Rat Cortical Astrocyte 5-Hydroxytryptamine ₇ Receptors: Evidence for In Situ G Protein-Coupled Receptor Homodimer Protomer Cross-Talk <i>Carol Smith, Nicole Toohey, Jessica A. Knight, Michael T. Klein, and Milt Teitler</i>	318
Epidermal Growth Factor Treatment Switches δ -Opioid Receptor-Stimulated Extracellular Signal-Regulated Kinases 1 and 2 Signaling from an Epidermal Growth Factor to an Insulin-Like Growth Factor-1 Receptor-Dependent Mechanism <i>Daniela A. Eisinger and Hermann Ammer</i>	326
ERRATUM Correction to "Methyl 2-Cyano-3,12-dioxooleana-1,9-dien-28-oate Decreases Specificity Protein Transcription Factors and Inhibits Pancreatic Tumor Growth: Role of MicroRNA-27a"	336

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

About the cover: Pathways of activation in class A GPCRs. See article by Sansuk et al. on page 262 of this issue.