

MOLECULAR PHARMACOLOGY

August 2013

Volume 84

Number 2

molpharm.aspetjournals.org

ISSN 1521-0111

ARTICLES

- Histone Deacetylase Inhibitors Interact with Melanoma Differentiation Associated-7/Interleukin-24 to Kill Primary Human Glioblastoma Cells
Hossein A. Hamed, Adly Yacoub, Margaret A. Park, Kellie Archer, Swadesh K. Das, Devanand Sarkar, Steven Grant, Paul B. Fisher, and Paul Dent 171
- Organic Cation Transporter 1 (OCT1/mOct1) Is Localized in the Apical Membrane of Caco-2 Cell Monolayers and Enterocytes
Tianxiang (Kevin) Han, Ruth S. Everett, William R. Proctor, Chee M. Ng, Chester L. Costales, Kim L. R. Brouwer, and Dhiren R. Thakker 182
- D₁-D₂ Dopamine Receptor Synergy Promotes Calcium Signaling via Multiple Mechanisms
Lani S. Chun, R. Benjamin Free, Trevor B. Doyle, Xi-Ping Huang, Michele L. Rankin, and David R. Sibley 190
- An Unusual Pattern of Ligand-Receptor Interactions for the $\alpha 7$ Nicotinic Acetylcholine Receptor, with Implications for the Binding of Varenicline
Ethan B. Van Arnam, Emily E. Blythe, Henry A. Lester, and Dennis A. Dougherty 201
- Molecular Insights into Microbial β -Glucuronidase Inhibition to Abrogate CPT-11 Toxicity
Adam B. Roberts, Bret D. Wallace, Madhu Kumar Venkatesh, Sridhar Mani, and Matthew R. Redinbo 208
- Inflammatory Mediators Increase SUMOylation of Retinoid X Receptor α in a c-Jun N-Terminal Kinase-Dependent Manner in Human Hepatocellular Carcinoma Cells
Rebecca Schneider Aguirre and Saul J. Karpen 218
- Arginine Vasopressin Enhances Cell Survival via a G Protein-Coupled Receptor Kinase 2/ β -Arrestin1/Extracellular-Regulated Kinase 1/2-Dependent Pathway in H9c2 Cells
Weizhong Zhu, Douglas G. Tilley, Valerie D. Myers, Ryan C. Coleman, and Arthur M. Feldman 227
- Overexpression of Mcl-1 Confers Multidrug Resistance, Whereas Topoisomerase II β Downregulation Introduces Mitoxantrone-Specific Drug Resistance in Acute Myeloid Leukemia
David L. Hermanson, Sonia G. Das, Yunfang Li, and Chengguo Xing 236
- Early Life Stress Causes Refractoriness to Haloperidol-Induced Catalepsy
Jordan Marrocco, Jérôme Mairesse, Domenico Bucci, Luana Lionetto, Giuseppe Battaglia, Michol Consolazione, Laura Ravasi, Maurizio Simmaco, Sara Morley-Fletcher, Stefania Maccari, and Ferdinando Nicoletti 244
- Ethanol Reversal of Cellular Tolerance to Morphine in Rat Locus Coeruleus Neurons
Javier Llorente, Sarah Withey, Guadalupe Rivero, Margaret Cunningham, Alex Cooke, Kunal Saxena, Jamie McPherson, Sue Oldfield, William L. Dewey, Chris P. Bailey, Eamonn Kelly, and Graeme Henderson 252

<p> S The Neuroactive Steroid Pregnenolone Sulfate Stimulates Trafficking of Functional <i>N</i>-Methyl D-Aspartate Receptors to the Cell Surface via a Noncanonical, G Protein, and Ca²⁺-Dependent Mechanism <i>Emmanuel Kostakis, Conor Smith, Ming-Kuei Jang, Stella C. Martin, Kyle G. Richards, Shelley J. Russek, Terrell T. Gibbs, and David H. Farb</i> </p>	261
<p> Adiponectin Ameliorates Iron-Overload Cardiomyopathy through the PPARα-PGC-1-Dependent Signaling Pathway <i>Heng Lin, Wei-Shiung Lian, Hsi-Hsien Chen, Pei-Fang Lai, and Ching-Feng Cheng</i> </p>	275
<p> S Indapamide Lowers Blood Pressure by Increasing Production of Epoxyeicosatrienoic Acids in the Kidney <i>Fei Ma, Fan Lin, Chen Chen, Jennifer Cheng, Darryl C. Zeldin, Yan Wang, and Dao Wen Wang</i> </p>	286
<p> Diacylglycerol Lipaseα (DAGLα) and DAGLβ Cooperatively Regulate the Production of 2-Arachidonoyl Glycerol in Autaptic Hippocampal Neurons <i>Tarun Jain, Jim Wager-Miller, Ken Mackie, and Alex Straker</i> </p>	296
ERRATA	
<p>Correction to Table of Contents in Volume 84, Number 1</p>	303
<p>Correction to “Discovery, Molecular and Pharmacological Characterization of GSA-10, a Novel Small-Molecule Positive Modulator of Smoothened”</p>	303

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

About the cover: Immunocytochemical localization of OCT1 (mOct1) in Caco-2 cell monolayers and in human and mouse intestinal tissues. See the article by Han et al. on page 182 of this issue.