ACCELERATED COMMUNICATIONS
Di(2-ethylhexyl) phthalate Is a Highly Potent Agonist for the Human Constitutive Androstane Receptor Splice Variant CAR2

Epigenetic Modulation of mGlu2 Receptors by Histone Deacetylase Inhibitors in the Treatment of Inflammatory Pain
S. Chiechio, M. Zammataro, M. E. Morales, C. L. Busceti, F. Drago, R. W. Gereau IV, A. Copani, and F. Nicoletti

ARTICLES

1 Lithium Increases Synapse Formation between Hippocampal Neurons by Depleting Phosphoinositides
Hee Jung Kim and Stanley A. Thayer

2 Mitogen-Activated Protein Kinase Pathways Contribute to Hypercontractility and Increased Ca²⁺ Sensitization in Murine Experimental Colitis
Eikichi Ihara, Paul L. Beck, Mona Chappellaz, Josee Wong, Shaun A. Medlicott, and Justin A. MacDonald

3 A Small Peptide Inhibitor of the Low Voltage-Activated Calcium Channel Cav3.1
Ren-Shiang Chen and Philip M. Best

4 Antidepressant Phenelzine Alters Differentiation of Cultured Human and Mouse Preadipocytes
Francoise Chiche, Morvenna Le Guillou, Gerard Chétrite, Françoise Lasnier, Isabelle Dugail, Christian Carpéné, Marthe Moldes, and Bruno Fève

5 The Four Major N- and C-Terminal Splice Variants of the Excitatory Amino Acid Transporter GLT-1 Form Cell Surface Homomeric and Heteromeric Assemblies
Eleanor Peacey, Christopher C. J. Miller, John Dunlop, and Marcus Rattray

6 KiSS1 Metastasis Suppressor Gene Product Induces Suppression of Tyrosine Kinase Receptor Signaling to Akt, Tumor Necrosis Factor Family Ligand Expression, and Apoptosis
Jean-Marc Navenot, Nobutaka Fujii, and Stephen C. Peiper
Time-Resolved Photolabeling of the Nicotinic Acetylcholine Receptor by [3H]Azietomidate, an Open-State Inhibitor
David C. Chiara, Filbert H. Hong, Enrique Arevalo, S. Shaukat Husain, Keith W. Miller, Stuart A. Forman, and Jonathan B. Cohen

Functional Characterization and In Silico Docking of Full and Partial GluK2 Kainate Receptor Agonists
Anne-Marie L. Fay, Christopher R. Corbeil, Patricia Brown, Nicolas Moitessier, and Derek Bowie

Identification of Potential Pharmacological Targets by Analysis of the Comprehensive G Protein-Coupled Receptor Repertoire in the Four Cardiac Chambers
Thomas Moore-Morris, Annie Varrault, Matteo E. Mangoni, Anne Le Digarcher, Vincent Negre, Christelle Dantec, Laurent Journot, Joel Nargeot, and Brigitte Couette

Mrp1 Localization and Function in Cardiac Mitochondria after Doxorubicin
Paiboon Jungsuwadee, Ramaneeya Nithipogvanitch, Yumin Chen, Terry D. Oberley, D. Allan Butterfield, Daret K. St. Clair, and Mary Vore

Human Mitochondrial Thymidine Kinase Is Selectively Inhibited by 3’-Thiourea Derivatives of β-Thymidine: Identification of Residues Crucial for Both Inhibition and Catalytic Activity
Jan Balzarini, Ineke Van Daele, Ana Negri, Nicola Solaroli, Anna Karlsson, Sandra Liekens, Federico Gago, and Serge Van Calenbergh

Nicotine Normalizes Intracellular Subunit Stoichiometry of Nicotinic Receptors Carrying Mutations Linked to Autosomal Dominant Nocturnal Frontal Lobe Epilepsy
Cagdas D. Son, Fraser J. Moss, Bruce N. Cohen, and Henry A. Lester

Structural Determinants of Imidazoacridinones Facilitating Antitumor Activity Are Crucial for Substrate Recognition by ABCG2
Eran E. Bram, Yamit Adar, Nufar Mesika, Michal Sabisz, Andrzej Skladanowski, and Yehuda G. Assaraf

Genetic Dissection of α2-Adrenoceptor Functions in Adrenergic versus Nonadrenergic Cells
Ralf Gilsbach, Christoph Röser, Nadine Beetz, Marc Brede, Kerstin Hadamek, Miriam Haubold, Jost Leemhuis, Melanie Philipp, Johanna Schneider, Michal Urbanski, Bela Szabo, David Weinschenker, and Lutz Hein

Dynamic Patterns of Histone Methylation Are Associated with Ontogenic Expression of the Cyp3a Genes during Mouse Liver Maturation
Ye Li, Yue Cui, Steven N. Hart, Curtis D. Klaassen, and Xiao-bo Zhong

Induction of Overexpression of the 27- and 70-kDa Heat Shock Proteins by Bicyclol Attenuates Concanavalin A-Induced Liver Injury through Suppression of Nuclear Factor-κB in Mice
Xiu-Qi Bao and Geng-Tao Liu

NHERF1 Regulates Parathyroid Hormone Receptor Desensitization: Interference with β-Arrestin Binding
Bin Wang, Yanmei Yang, Abdul B. Abou-Samra, and Peter A. Friedman

Prolyl Hydroxylase Inhibitors Depend on Extracellular Glucose and Hypoxia-Inducible Factor (HIF)-2α to Inhibit Cell Death Caused by Nerve Growth Factor (NGF) Deprivation: Evidence That HIF-2α Has a Role in NGF-Promoted Survival of Sympathetic Neurons
David J. Lomb, Lynette A. Desouza, James L. Franklin, and Robert S. Freeman

Niflumic Acid Alters Gating of HCN2 Pacemaker Channels by Interaction with the Outer Region of S4 Voltage Sensing Domains
Lan Cheng and Michael C. Sanguinetti

Regulator of G Protein Signaling Protein Suppression of Go4 Protein-Mediated α2A Adrenergic Receptor Inhibition of Mouse Hippocampal CA3 Epileptiform Activity
ABT-737 Synergizes with Chemotherapy to Kill Head and Neck Squamous Cell Carcinoma Cells via a Noxa-Mediated Pathway

Rongxiu Li, Yan Zang, Changyou Li, Neil S. Patel, Jennifer R. Grandis, and Daniel E. Johnson

AMD3100 Is a CXCR7 Ligand with Allosteric Agonist Properties

Irina Kalatskaya, Yamina A. Berchiche, Stéphanie Gravel, Brian J. Limberg, Jan S. Rosenbaum, and Nikolaus Heveker

ERRATUM
Correction to “Capacitative Ca\(^{2+}\) Entry via Orai1 and Stromal Interacting Molecule 1 (STIM1) Regulates Adenylyl Cyclase Type 8”

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

About the cover: Superimposition of the GluK2 agonist-binding domain in complex with the full agonist L-Glu (yellow) and partial agonist Dom (blue). See the article by Fay et al. on page 1096 of this issue.