MINIREVIEW

Regulation of Protein Kinase D1 Activity

Susan F. Steinberg

ACCELERATED COMMUNICATION

MicroRNA 335 Is Required for Differentiation of Malignant Glioma Cells Induced by Activation of cAMP/Protein Kinase A Pathway

Minfeng Shu, Yuehan Zhou, Wenbo Zhu, Haipeng Zhang, Sihan Wu, Jingkao Chen, and Guangmei Yan

ARTICLES

AC927, a σ Receptor Ligand, Blocks Methamphetamine-Induced Release of Dopamine and Generation of Reactive Oxygen Species in NG108-15 Cells

Nidhi Kaushal, Meenal Elliott, Matthew J. Robson, Anand Krishnan V. Iyer, Yon Rojanasakul, Andrew Coop, and Rae R. Matsumoto

Lateral Allosterism in the Glucagon Receptor Family: Glucagon-Like Peptide 1 Induces G-Protein-Coupled Receptor Heteromer Formation

Dominik Schelshorn, Fanny Joly, Sophie Mutel, Cornelia Hampe, Billy Breton, Vincent Mutel, and Robert Lütjens

Rosiglitazone and Metformin Have Opposite Effects on Intestinal Absorption of Oligopeptides via the Proton-Dependent PepT1 Transporter

Patrick Hindlet, Claire Barraud, Laura Boschat, Robert Farinotti, André Bado, and Marion Buyse

Xanthines Down-Regulate the Drug Transporter ABCG2 and Reverse Multidrug Resistance

Rui Ding, Jia Shi, Kirk Pabon, and Kathleen W. Scotto

A Novel Nonconsensus Xenobiotic Response Element Capable of Mediating Aryl Hydrocarbon Receptor-Dependent Gene Expression

Gengming Huang and Cornelis J. Elferink

Desensitization and Trafficking of μ-Opioid Receptors in Locus Ceruleus Neurons: Modulation by Kinases

Seksiri Arttamangkul, Elaine K. Lau, Hsin-Wei Lu, and John T. Williams

Defining Substrate and Blocker Activity of Alanine-Serine-Cysteine Transporter 2 (ASCT2) Ligands with Novel Serine Analogs

Thomas Albers, William Marsiglia, Taniya Thomas, Armanda Gameiro, and Christof Grewer

Role of the Local Anesthetic Receptor in the State-Dependent Inhibition of Voltage-Gated Sodium Channels by the Insecticide Metaflumizone

Richard T. von Stein and David M. Soderlund
Signaling Cascades for δ-Opioid Receptor-Mediated Inhibition of GABA Synaptic Transmission and Behavioral Antinociception
Zhi Zhang and Zhizhong Z. Pan

Heteromeric Canonical Transient Receptor Potential 1 and 4 Channels Play a Critical Role in Epileptiform Burst Firing and Seizure-Induced Neurodegeneration

Covalent Modification of a Volatile Anesthetic Regulatory Site Activates TASK-3 (KCNK9) Tandem-Pore Potassium Channels
Kevin E. Conway and Joseph F. Cotten

Antitumor Indolequinones Induced Apoptosis in Human Pancreatic Cancer Cells via Inhibition of Thioredoxin Reductase and Activation of Redox Signaling
Chao Yan, David Siegel, Jeffery Newsome, Aurelie Chilloux, Christopher J. Moody, and David Ross

Transient Receptor Potential Vanilloid-1 (TRPV1) Is a Mediator of Lung Toxicity for Coal Fly Ash Particulate Material

Protein Kinase C Regulation of 12-Lipoxygenase-Mediated Human Platelet Activation
Jennifer Yeung, Patrick L. Apopa, Joanne Vesic, Victor Kenyon, Ganesh Rai, Ajit Jadhav, Anton Simeonov, Theodore R. Holman, David J. Maloney, Olivier Boutaud, and Michael Holinstat

Polygamain, a New Microtubule Depolymerizing Agent That Occupies a Unique Pharmacophore in the Colchicine Site

Inhibition of Prohormone Convertases PC1/3 and PC2 by 2,5-Dideoxystreptamine Derivatives
Mirella Vivoli, Thomas R. Caulfield, Karina Martinez-Mayorga, Alan T. Johnson, Guan-Sheng Jiao, and Iris Lindberg

Specificity Protein 1 (Sp1) Oscillation Is Involved in Copper Homeostasis Maintenance by Regulating Human High-Affinity Copper Transporter 1 Expression
Zheng D. Liang, Wen-Bin Tsai, Mei-Yi Lee, Niramol Savaraj, and Macus Tien Kuo

Alteration in Accumulated Aldosterone Synthesis As a Result of N-Terminal Cleavage of Aldosterone Synthase
Brian P. Adams and Himangshu S. Bose

A Novel Nonribose Agonist, LUF5834, Engages Residues That Are Distinct from Those of Adenosine-Like Ligands to Activate the Adenosine A2a Receptor
J. Robert Lane, Carmen Klein Herenbrink, Gerard J. P. van Westen, Jelle A. Spoorendonk, Carsten Hoffmann, and Adriaan P. IJzerman

Characterization of the Substituted N-Triazole Oxindole TROX-1, a Small-Molecule, State-Dependent Inhibitor of Ca2+ Calcium Channels

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

About the cover: A molecular representation of PC2 together with modeled binding poses for two active site inhibitors is shown. The red sphere represents the locations of the active site, and the orange and blue spheres show allosteric binding sites. See article by Vivoli et al. on page 440 of this issue.