Molecular Determinants of Human ether-à-go-go-Related Gene 1 (hERG1) K⁺ Channel Activation

Morten Grunnet, Jennifer Abbruzzese, Frank B. Sachse, and Michael C. Sanguinetti

Diclofenac Distinguishes among Homomeric and Heteromeric Potassium Channels Composed of KCNQ4 and KCNQ5 Subunits


Rational Design of a Selective Covalent Modifier of G Protein βγ Subunits

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TAK-242 (Resatorvid), a Small-Molecule Inhibitor of Toll-Like Receptor (TLR) 4 Signaling, Binds Selectively to TLR4 and Interferes with Interactions between TLR4 and Its Adaptor Molecules

Naoko Matsunaga, Noboru Tsuchimori, Tatsumi Matsumoto, and Masayuki Ii

Development of a Selective Small-Molecule Inhibitor of Kir1.1, the Renal Outer Medullary Potassium Channel

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Aminoglycosides Inhibit KCNQ4 Channels in Cochlear Outer Hair Cells via Depletion of Phosphatidylinositol(4,5)bisphosphate

Michael G. Leitner, Christian R. Halaszovich, and Dominik Oliver

Modulation of Chemokines and Allergic Airway Inflammation by Selective Local Sphingosine-1-phosphate Receptor 1 Agonism in Lungs

David Marsolais, Saiko Yagi, Tomoyuki Kago, Nora Leaf, and Hugh Rosen

Pharmacological Characterization of MK-7246, a Potent and Selective CRTH2 (Chemotactic Receptor-Homologous Molecule Expressed on T-Helper Type 2 Cells) Antagonist

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Gastrin-Releasing Peptide/Neuromedin B Receptor Antagonists PD176252, PD168368, and Related Analogs Are Potent Agonists of Human Formyl-Peptide Receptors
Igor A. Schepetkin, Liliya N. Kirpotina, Andrei I. Khlebnikov, Mark A. Jutila, and Mark T. Quinn

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Expression of Functional Human α6β2β3* Acetylcholine Receptors in Xenopus laevis Oocytes Achieved through Subunit Chimeras and Concatamers
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Copper Transporter 2 Regulates Endocytosis and Controls Tumor Growth and Sensitivity to Cisplatin In Vivo
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α4β2 Nicotinic Receptors Partially Mediate Anti-Inflammatory Effects through Janus Kinase 2-Signal Transducer and Activator of Transcription 3 but Not Calcium or cAMP Signaling
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Iron Chelators of the Di-2-pyridylketone Thiosemicarbazone and 2-Benzoylpyridine Thiosemicarbazone Series Inhibit HIV-1 Transcription: Identification of Novel Cellular Targets—Iron, Cyclin-Dependent Kinase (CDK) 2, and CDK9

Histone Deacetylase Inhibitors Stimulate Histone H3 Lysine 4 Methylation in Part Via Transcriptional Repression of Histone H3 Lysine 4 Demethylases
Po-Hsien Huang, Chun-Han Chen, Chih-Chien Chou, Aaron M. Sargeant, Samuel K. Kulp, Che-Ming Teng, John C. Byrd, and Ching-Shih Chen

Correction to “Poly(ADP-Ribose) Polymerase 1 Modulates the Lethality of CHK1 Inhibitors in Carcinoma Cells”

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

About the cover: Electrostatic surface representation of “hot spot” for protein interactions with Gβγ. See article by Dessal et al. on page 24 of this issue.