MINIREVIEW

Strategies for Developing \( \kappa \) Opioid Receptor Agonists for the Treatment of Pain with Fewer Side Effects

Kelly F. Paton, Diana V. Atigari, Sophia Kaska, Thomas Prisinzano, and Bronwyn M. Kivell

BEHAVIORAL PHARMACOLOGY

Mifepristone Decreases Chronic Voluntary Ethanol Consumption in Rhesus Macaques

Vanessa A. Jimenez, Nicole A.R. Walker, Tatiana A. Shnitko, Natali Newman, Kaya Diem, Lauren Vanderhoof, Hazel Hunt, and Kathleen A. Grant

CARDIOVASCULAR

Protective Mechanism of the Selective Vasopressin V1A Receptor Agonist Selepressin against Endothelial Barrier Dysfunction

Nektarios Barabutis, Margarita Marinova, Pavel Solopov, Mohammad A. Uddin, Glenn E. Croston, Torsten M. Reinheimer, and John D. Catravas

Targeted Injection of a Truncated Form of Tissue Inhibitor of Metalloproteinase 3 Alters Post–Myocardial Infarction Remodeling


DRUG DISCOVERY AND TRANSLATIONAL MEDICINE

Celastrol Dilates and Counteracts Ethanol-Induced Constriction of Cerebral Arteries

Kelsey North, Alexandria Slayden, Steven Mysiewicz, Anna Bukiya, and Alex Dopico

Angiotensin-(1–7) Rescues Chronic Intermittent Hypoxia-Aggravated Transforming Growth Factor-\( \beta \)-Mediated Airway Remodeling in Murine and Cellular Models of Asthma

Jian Ping Zhou, Ying Ni Lin, Ning Li, Xian Wen Sun, Yong Jie Ding, Ya Ru Yan, Liu Zhang, and Qing Yun Li

Effects of Topical Application of CHF6467, a Mutated Form of Human Nerve Growth Factor, on Skin Wound Healing in Diabetic Mice


Utilizing Designed Receptors Exclusively Activated by Designer Drug Chemogenetic Tools to Identify Beneficial G Protein–Coupled Receptor Signaling for Fibrosis

Ji Zhang, Eyal Vardy, Eric S. Muise, Tzu-Ming Wang, Richard Visconti, Ashita Vadlamudi, Shirly Pinto, and Andrea M. Peier

GPR183-Oxysterol Axis in Spinal Cord Contributes to Neuropathic Pain

Kathryn Braden, Luigino Antonio Giancotti, Zhouhou Chen, Chelsea DeLeon, Nick Latzo, Terri Boehm, Napoleon D’Cunha, Bonnie M. Thompson, Timothy M. Doyle, Jeffrey G. McDonald, John K. Walker, Grant R. Kolar, Christopher Kent Arnatt, and Daniela Salvemini

METABOLISM, TRANSPORT, AND PHARMACOGENOMICS

High-Density Lipoprotein Mimetic Peptide 4F Efficiently Crosses the Blood-Brain Barrier and Modulates Amyloid-\( \beta \) Distribution between Brain and Plasma

Ezetimibe Enhances Macrophage-to-Feces Reverse Cholesterol Transport in Golden Syrian Hamsters Fed a High-Cholesterol Diet
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Physiologically Based Pharmacokinetic Modeling Involving Nonlinear Plasma and Tissue Binding: Application to Prednisolone and Prednisone in Rats
Xiaonian Li, Debra C. DuBois, Richard R. Almon, and William J. Jusko

NEUROPHARMACOLOGY
A Novel Potent and Selective Histamine H3 Receptor Antagonist Enerisant: In Vitro Profiles, In Vivo Receptor Occupancy, and Wake-Promoting and Procognitive Effects in Rodents

Association Between N-Desmethylclozapine and Clozapine-Induced Sialorrhea: Involvement of Increased Nocturnal Salivary Secretion via Muscarinic Receptors by N-Desmethylclozapine
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TOXICOLOGY
Untargeted Metabolomics Reveals Anaerobic Glycolysis as a Novel Target of the Hepatotoxic Antidepressant Nefazodone
Evelin Krajnc, Michele Visentin, Zhibo Gai, Bruno Stieger, Sophia L. Samodelov, Stephanie Häusler, and Gerd A. Kullak-Ublick

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Supplemental material is available at jpet.aspetjournals.org.

About the cover: Novel GPR183 antagonists inhibit GPR183-dependent 7α,25-dihydroxycholesterol induced calcium signaling in HL-60 cells. See the article by Braden et al (dx.doi.org/10.1124/jpet.120.000105).