MINIREVIEW


SHORT COMMUNICATIONS

Pharmacokinetics of Daikenchuto, a Traditional Japanese Medicine (Kampo) after Single Oral Administration to Healthy Japanese Volunteers. Masaya Munekage, Hiroyuki Kitagawa, Kengo Ichikawa, Junko Watanabe, Katsuyuki Aoki, Toru Kono, and Kazuhiro Hanazaki

Measurement of Binding of Basic Drugs to Acidic Phospholipids Using Surface Plasmon Resonance and Incorporation of the Data into Mechanistic Tissue Composition Equations to Predict Steady-State Volume of Distribution. Helen Small, Iain Gardner, Hannah M. Jones, John Davis, and Malcolm Rowland

ARTICLES


Kinetic Characterization of Rat Hepatic Uptake of 16 Actively Transported Drugs. Yoshiyuki Yabe, Aleksandra Galetin, and J. Brian Houston

Thioacetamide Intoxication Triggers Transcriptional Up-Regulation but Enzyme Inactivation of UDP-Glucuronosyltransferases. Haiping Hao, Lifang Zhang, Shan Jiang, Shiqing Sun, Ping Gong, Yuan Xie, Xueyan Zhou, and Guangji Wang

Bioactivation Pathways of the Cannabinoid Receptor 1 Antagonist Rimonabant. Moa Andresen Bergstrom, Emre M. Isnin, Neal Castagnoli Jr., and Claire E. Milne

Pharmacokinetic Optimization of 4-Substituted Methoxybenzoyl-aryl-thiazole and 2-Aryl-4-benzoylimidazole for Improving Oral Bioavailability. Chien-Ming Li, Jianjun Chen, Sachiya Ikeda, and Masaki Ishigai

Significant Species Difference in Amide Hydrolysis of GDC-0834, a Novel Potent and Selective Bruton’s Tyrosine Kinase Inhibitor. Luchuan Liu, Jason S. Halladay, Young Shin, Susan Wong, Melis Coraggio, Hank La, Matthew Baumgardner, Hoa Le, Sashi Gopaul, Jason Boggs, Peter Kuebler, John C. Davis Jr., X. Charlene Liao, Joseph W. Lubach, Robert auditor, Corin Nelson, Dennis A. Hop, and Harvey Wong

Mechanisms of Reduced Maternal and Fetal Lopinavir Exposure in a Rat Model of Gestational Diabetes. Gregory J. Anger and Micheline Piquette-Miller

Functional Characterization of CYP2B6 Allelic Variants in Demethylation of Antimalarial Artemether. Masashi
Contents (cont'd.)


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

About the cover: Relationship between the inhibitory effects of gemfibrozil 1-O-β-glucuronide on CYP2C8 and OATP1B1 activity and observed increases in repaglinide AUC/AUC\(_i\). The curved contour depicts the best-fit model, and red symbols identify CYP2C8*3 genotypes. See the article by Honkalanniemi et al. on page 1977 of this issue.