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 ............ 1784

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 ........ 1789

ARTICLES


Kinetic Characterization of Rat Hepatic Uptake of 16 Actively Transported Drugs. Yoshiyuki Yabe, Aleksandra Galetin, and J. Brian Houston ........ 1808

Thioacetamide Intoxication Triggers Transcriptional Up-Regulation but Enzyme Inactivation of UDP-Glucuronosyltransferases. Hai-Ping Hao, Li-Fang Zhang, Shan Jiang, Shiqing Sun, Ping Gong, Yuan Xie, Xueyan Zhou, and Guangji Wang ........ 1815

Bioactivation Pathways of the Cannabinoid Receptor 1 Antagonist Rimonabant. Moe Andresen Bergstrom, Emre M. Isin, Neal Castagnoli Jr., and Claire E. Milne .................. 1823

Pharmacokinetic Optimization of 4-Substituted Methoxybenzyl-aryl-thiazole and 2-Aryl-4-benzoyl-imidazole for Improving Oral Bioavailability. Chien-Ming Li, Jianjun Chen, Yan Lu, Ramesh Narayanan, Deanna N. Parke, Wei Li, Sunjoo Ahn, Duane D. Miller, and James T. Dalton ........ 1833

Significant Species Difference in Amide Hydrolysis of GDC-0834, a Novel Potent and Selective Bruton’s Tyrosine Kinase Inhibitor. Lichuan Liu, Jason S. Halladay, Young Shin, Susan Wong, Melis Coraggio, Hank La, Matthew Baumgardner, Hoa Le, Sashi Gopaul, Peter Kuebler, John C. Davis Jr., X. Charlene Liao, Joseph W. Lubach, Alan Deese, Charles Gregory Sowell, Kevin S. Currie, Wendy B. Young, S. Cyrus Khosasteh, Cornelis E. C. A. Hop, and Harvey Wong ............... 1840

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Honda, Yuka Muroi, Yuichiro Tamaki, Daisuke Saigusa, Naoto Suzuki, Yoshihisa Tomioka, Yoichi Matsubara, Akifumi Oda, Noriyasu Hirasawa, and Masahiro Hiratsuka .......................... 1860

Enhancement of Oral Bioavailability of 20(S)-Ginsenoside Rh2 through Improved Understanding of Its Absorption and Efflux Mechanisms. Zhen Yang, Song Gao, Jingrong Wang, Taijun Yin, Yang Teng, Baojian Wu, Ming You, Zhilong Jiang, and Ming Hu .... 1866

Pharmacokinetics, Pharmacodynamics, Metabolism, Distribution, and Excretion of Carfilzomib in Rats. Jinfu Yang, Zhengping Wang, Ying Fang, Jing Jiang, Frances Zhao, Hansen Wong, Mark K. Bennett, Christopher J. Molineaux, and Christopher J. Kirk .................. 1873

In Vitro and In Vivo Metabolism of a Selective δ-Opioid Receptor. Jian Guo, Chungang Gu, Diansong Zhou, Charles S. Elmore, Khanh H. Bu, and Scott W. Grimm ...................... 1883

Metabolite Profiles of Degarelix, a New Gonadotropin-Releasing Hormone Receptor Antagonist, in Rat, Dog, and Monkey. Anders Sonesson, Wolfgang Koechling, Jacek Stalewski, Laszlo B. Tanko, and Birgitte Buur Rasmussen .......... 1895

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The Impact of Hepatic Uptake on the Pharmacokinetics of Organic Anions. Philip Gardiner and Stuart W. Paine .................. 1930

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Conjugation of Synthetic Cannabinoids JWH-018 and JWH-073, Metabolites by Human UDP-Glucuronosyltransferases. Krishna C. Chimalakonda, Stacie M. Bratton, Vi-Huyen Le, Kan Huy Yiew, Anna Dineva, Cindy L. Moran, Laura P. James, Jeffery H. Moran, and Anna Radomska-Pandya . 1967


CYP4F3B Expression Is Associated with Differentiation of HepaRG Human Hepatocytes and Unaffected by Fatty Acid Overload. Stéphanie Madec, Virginie Cerec, Emmanuelle Plée-Gautier, Joseph Antoun, Denise Glaise, Jean-Pierre Salam, Christiane Guiguen-Guillouzo, and Anne Corlu .... 1987

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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/AUCi. The curved contour depicts the best-fit model, and red symbols identify CYP2C8*3 genotypes. See the article by Honkalanni et al. on page 1977 of this issue.