SHORT COMMUNICATION

Relevance of Nonsynonymous CYP2C8 Polymorphisms to 13-cis Retinoic Acid and Paclitaxel Hydroxylation. Sophie E. Rowbotham, Alan V. Boddy, Chris P. F. Redfern, Gareth J. Veal, and Ann K. Daly

ARTICLES

Formation Pathways of γ-Butyrolactone from the Furan Ring of Tegafur during Its Conversion to 5-Fluorouracil. Ikuo Yamamiya, Kunihiro Yoshisue, Eiji Matsushima, and Sekio Nagayama

Species-Specific Metabolism of SGX523 by Aldehyde Oxidase and the Toxicological Implications. Sharon Diamond, Jason Boer, Thomas P. Maduskuie, Jr., Nikoo Falahatpisheh, Yu Li, and Swamy Yeleswaram

Furanocoumarin Derivatives in Kampo Extract Medicines Inhibit Cytochrome P450 3A4 and P-Glycoprotein. Kazunori Iwanaga, Manami Hayashi, Yukimi Hamahata, Makoto Miyazaki, Makio Shibano, Masahiko Taniguchi, Kimiye Baba, and Masawo Kakemi

Identification of Novel Metoclopramide Metabolites in Humans: In Vitro and In Vivo Studies. Upendra A. Argikar, Javier Gomez, Din Ung, Henry P. Parkman, and Swati Nagar

Methadone: A Substrate and Mechanism-Based Inhibitor of CYP19 (Aromatase). Wenjie Jessie Lu, Robert Bies, Landry K. Kamen, Zeruesenay Desta, and David A. Flockhart


In Vitro-In Vivo Correlation for Intrinsic Clearance for Drugs Metabolized by Human Aldehyde Oxidase. Michael Zientek, Ying Jiang, Kuless Youdin, and R. Scott Obach

Metabolism of Flumatinib, a Novel Antineoplastic Tyrosine Kinase Inhibitor, in Chronic Myelogenous Leukemia Patients. Aishen Gong, Xiaoyan Chen, Pan Deng, and Dafang Zhong

In Vitro to In Vivo Comparison of the Substrate Characteristics of Sorafenib Tosylate toward P-Glycoprotein. M. J. Gnoth, S. Sandmann, K. Engel, and M. Radtke


Central Nervous System Penetration for Small Molecule Therapeutic Agents Does Not Increase in Multiple Sclerosis- and Alzheimer’s Disease-Related Animal Models Despite Reported Blood-Brain Barrier Disruption. Ziqiang Cheng, Jingqiang Zhang, Houfu Liu, Yi Li, Yonggang Zhao, and Eric Yang

In Silico Classification of Major Clearance Pathways of Drugs with Their Physiochemical Parameters. Makiko Kusama, Kouta Toshimoto,
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S Supplemental material is available online at http://dmd.aspetjournals.org.

About the cover: Distribution of drugs in the three-dimensional area and the rectangular boundaries for each pathway. See the article by Kusama et al. on page 1362 of this issue.