Contents

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. 1261

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. 1267

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. 1277

Furanocoumarin Derivatives in Kampo Extract Medicines Inhibit Cytochrome P450 3A4 and P-Glycoprotein. Kazunori Iwanaqa, Manami Hayashi, Yukimi Hamahata, Makoto Miyazaki, Makio Shibano, Masahiko Taniguchi, Kimeye Baba, and Masawo Kakemi. 1286

Identification of Novel Metoclopramide Metabolites in Humans: In Vitro and In Its Conversion Studies. Upendra A. Argikar, Javier Gomez, Din Ung, Henry P. Parkman, and Swati Nagar. 1295


In Vitro-In Vivo Correlation for Intrinsic Clearance for Drugs Metabolized by Human Aldehyde Oxidase. Michael Zientek, Ying Jiang, Kuresh Youdim, and R. Scott Obach. 1322

Metabolism of Flumatinib, a Novel Antineoplastic Tyrosine Kinase Inhibitor, in Chronic Myelogenous Leukemia Patients. Aihen Gong, Xiaoyan Chen, Pan Deng, and Dafang Zhong. 1328

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. 1341


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. 1355

In Silico Classification of Major Clearance Pathways of Drugs with Their Physicochemical Parameters. Makiko Kusama, Kouta Toshimoto.