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Theoretical Predictions of Flow Effects on Intestinal and Systemic Availability in Physiologically Based Pharmacokinetic Intestine Models: The Traditional Model, Segregated Flow Model, and Qint Model. K. Sandy Pang and Edwin C. Y. Chow ........................................... 1869

SHORT COMMUNICATION


ARTICLES


Human UDP-Glucuronosyltransferase Expression in Insect Cells: Ratio of Active to Inactive Recombinant Proteins and the Effects of a C-Terminal His-Tag on Glucuronidation Kinetics. Hongbo Zhang, Anne-Sisko Patatina, Peter I. Mackenzie, Shinichi Ikashiro, Adrian Goldman, and Moshe Fine .......................... 1935


Xenobiotic Metabolism and Disposition in Human Lung Cell Models: Comparison with In Vivo Expression Profiles. Elisabeth Courcot, Julie Leclerc, Jean-Jacques Lafitte, Eric Mensier, Sophie Jaillard, Philippe Gooset, Pirooz Shirali, Nicolas Pottier, Franck Broly, and Jean-Marc Lo-Guidice .......... 1953

High-Resolution Mass Spectrometry Elucidates Metabolonate (False Metabolite) Formation from Alkylamine Drugs during In Vitro Metabolite Profiling. Joanna E. Barbara, Faraz Kazmi, Seema Muranjan, Paul C. Toren, and Andrew Parkinson .......... 1966


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Glycemic Control and Chronic Dosing of Rhesus Monkeys with a Fusion Protein of Iduronidase and a Monoclonal Antibody Against the Human Insulin Receptor. Ruben J. Boado, Eric Ka-Wai Hui, Jeff Zhigiang Lu, and William M. Pardridge 2021

Absolute Oral Bioavailability and Metabolic Turnover of β-Sitosterol in Healthy Subjects. Guus Duchateau, Brett Cochrane, Sam Windebank, Justyna Herudzinska, Davindera Sanghera, An-gela Burian, Markus Müller, Markus Zeitlinger, and Graham Lappin 2026

Regulation of Pregnane X Receptor (PXR) Function and UGT1A1 Gene Expression by Posttransla-tional Modification of PXR Protein. Junko Suga-tani, Takahiro Uchida, Masatoshi Kurosawa, Masahiko Yamaguchi, Yasuhiro Yamazaki, Akira Ikari, and Masao Miwa 2031

In Vitro Studies on the Oxidative Metabolism of 20(S)-Ginsenoside Rh2 in Human, Monkey, Dog, Rat, and Mouse Liver Microsomes, and Human Liver S9. Liang Li, Xiaoyan Chen, Jiulan Zhou, and Dafang Zhong 2041

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About the cover: Propargyl-linked lead compounds. Top, propargyl-linked antifolates and their IC_{50} and MIC values against S. aureus DHFR and methicillin-resistant S. aureus. Bottom, compound 1 bound to C. glabrata DHFR. See the article by Zhou et al. on page 2002 of this issue.