CONTENTS

SHORT COMMUNICATION

The Intestine As an Important Contributor to Prasugrel Active Metabolite Formation In Vivo. Katsumobu Hagihara, Miho Kazui, Hidenori Ike-naga, Toshihiko Nanba, Kiichi Fusegawa, Takashi Izumi, Toshihiko Ikeda, and Atsushi Kurihara .......................... 565

ARTICLES

Hepatic Pharmacokinetics of Cationic Drugs in a High-Fat Emulsion-Induced Rat Model of Non-alcoholic Steatohepatitis. Peng Li, Thomas A. Robertson, Camilla A. Thorling, Qian Zhang, Linda M. Fletcher, Darrell H. G. Crawford, and Michael S. Roberts .................... 571


Pharmacokinetic Analysis of Continuous Erythropoietin Receptor Activator Disposition in Adult Sheep Using a Target-Mediated, Physiologic Recirculation Model and a Tracer Interaction Methodology. Mohammed H. El-Komy, John A. Widness, and Peter Veng-Pedersen .......................... 603

Glucuronidation of the Red Clover Isoflavone Irlione by Liver Microsomes from Different Species and Human UDP-Glucuronosyltransferases. Ronald Maul, Diana Siegl, and Sabine E. Kulling .............. 610

Metabolism of Gambogic Acid in Rats: A Rare Intestinal Metabolic Pathway Responsible for Its Final Disposition. Jing Yang, Li Ding, Linlin Hu, Wenjuan Qian, Shaohong Jin, Xiaoping Sun, Zhenzhong Wang, and Wei Xiao ................................. 617

In Vitro Metabolism of 17-(Dimethylaminomethyl)-17-demethoxygeldanamycin in Human Liver Microsomes. Nan Zheng, Peng Zou, Shaomeng Wang, and Duxin Sun .................................. 627

Biotransformation of a Novel Antimitotic Agent, I-387, by Mouse, Rat, Dog, Monkey, and Human Liver Microsomes and In Vivo Pharmacokinetics in Mice. Sunjoo Ahn, Jeffrey D. Kearbey, Chien-Ming Li, Charles B. Duke III, Duane D. Miller, and James T. Dalton .................... 636


Pharmacokinetics, Metabolism, and Disposition of Rivoglitazone, a Novel Peroxisome Proliferator-Activated Receptor γ Agonist, in Rats and Monkeys. Minoru Uchiyama, Haruo Iwabuchi, Fujiko Tsuruta, Koji Abe, Makoto Takahashi, Hiroko Koda, Minoru Oguchi, Osamu Okazaki, and Takashi Izumi ................................. 653

Role of Catechol-O-Methyltransferase in the Disposition of Luteolin in Rats. Zhongjian Chen, Meng Chen, Hao Pan, Siyuan Sun, Leping Li, Su Zeng, and Huidi Jiang ...................................... 667

Comparative Metabolism of Cinobufagin in Liver Microsomes from Mouse, Rat, Dog, Minipig, Mono-

Continued on next page
Metabolic Pathways of the Camptothecin Analog AR-67. Jamie Horn, Marta Milewska, Susanne M. Arnold, and Markos Leggas 683

In Vitro Metabolism of Oxymetazoline: Evidence for Bioactivation to a Reactive Metabolite. Mukesh K. Mahajan, Vinita Uttamsingh, J. Scott Daniels, Liang-Shang Gan, Barbara W. LeDuc, and David A. Williams 693


Discovery of a Novel Allelic Variant of CYP2C8, CYP2C8*11, in Asian Populations and Its Clinical Effect on the Rosiglitazone Disposition In Vivo. Chang-Woo Yeo, Su-Jun Lee, Sang Seop Lee, Soo Kyung Bae, Eun-Young Kim, Ji-Hong Shon, Byoung Doo Rhee, and Jae-Gook Shin 711

CYP2G2, Pseudogenized in Human, Is Expressed in Nasal Mucosa of Cynomolgus Monkey and Encodes a Functional Drug-Metabolizing Enzyme. Yasuhiro Uno, Shotaro Uehara, Norie Murayama, and Hiroshi Yamazaki 717

Comparison of the Inhibitory Profiles of Itraconazole and Cimetidine in Cytochrome P450 3A4 Genetic Variants. Takeshi Akiyoshi, Takashi Saito, Saori Murase, Mitsue Miyazaki, Norie Murayama, Hiroshi Yamazaki, F. Peter Guengerich, Katsunori Nakamura, Koujirou Yamamoto, and Hisakazu Ohtani 724


About the cover: LD map of CYP2C8 single nucleotide polymorphisms in a Korean population (n = 50). See the article by Yeo et al. on page 711 of this issue.