Expression and Characterization of CYP4V2 as a Fatty Acid 19-Hydroxylase. Mariko Nakano, Edward J. Kelly, and Allan E. Rettie ............... 2119

Effect of N-Acetyltransferase 2 Polymorphism on Tumor Target Tissue DNA Adduct Levels in Rapid and Slow Acetylator Congenic Rats Administered 2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine or 2-Amino-3,8-dimethylimidazo[4,5-f]quinoxaline. Kristin J. Metry, Jason R. Neale, Jean Bendaly, Ned B. Smith, William M. Pierce, Jr., and David W. Hein ....................... 2123

In Vivo Evaluation of Drug-Drug Interaction via Mechanism-Based Inhibition by Macrolide Antibiotics in Cynomolgus Monkeys. Akihito Ogasawara, Isao Negishi, Kazumasa Kozakai, and Toshiyuki Kume ......................... 2127

Investigation of Long-Term Retention of Unchanged (−)-N-[2-((R)-3-(6,7-Dimethoxy-1,2,3,4-tetrahydroisoquinoline-2-carbonyl)piperidin-1-yl)-4-fluorobenzamide. A Novel “Funny” If Current Channel Inhibitor, and Its Metabolites in the Eyeball and Thoracic Aorta of Rats. Ken-ichi Umehara, Naoyuki Nakada, Kiyoshi Noguchi, Takafumi Iwatsubo, Takashi Usui, and Hidetaka Kamimura ....................... 2137

A Possible Mechanism for the Differences in Efficiency and Variability of Active Metabolite Formation from Thienopyridine Antiplatelet Agents, Prasugrel and Clopidogrel. Katsunobu Hagihara, Miho Kazui, Atsushi Kurihara, Michiharu Toshike, Kokichi Honda, Osamu Okazaki, Nagy A. Farid, and Toshihiko Ikeda ............... 2145


Effects of Dose and Route of Administration on Pharmacokinetics of (±)-3,4-Methylenedioxyamphetamine in the Rat. Michael H. Baumann, Dorota Zolkowska, Insook Kim, Karl B. Scheidweiler, Richard B. Rothman, and Marilyn A. Huebsi ....................... 2163


Tissue Distribution, Ontogeny, and Hormonal Regulation of Xenobiotic Transporters in Mouse Kidneys. Xingguo Cheung and Curtis D. Klaassen ....................... 2178


Hemoglobin Vesicles, Polyethylene Glycol (PEG)ylated Liposomes Developed as a Red Blood Cell Substitute, Do Not Induce the Accelerated Blood Clearance Phenomenon in Mice. Kazuki Taguchi, Yukino Urata, Makoto Anraku, Hiroshi Watanabe, Daisuke Kadowaki, Hiromi Sakai, Hirohisa Horin-
In Vitro Glucuronidation of Fenofibric Acid by Human UDP-Glucuronosyltransferases and Liver Microsomes. Jelena Tojcic, Marie-Odile Benoît-Biancamano, Michael H. Court, Robert J. Straka, Patrick Caron, and Chantal Guillemette 2236

Inoculation of Human Tumor Cells Alters the Basal Expression but Not the Inducibility of Cytochrome P450 Enzymes in Tumor-Bearing Mouse Liver. Michiko Sugawara, Kiyoshi Okamoto, Tadashi Kadowaki, Kazutomi Kusano, Akiyoshi Fukamizu, and Tsutomu Yoshimura 2244


Identification of New CYP2C19 Variants Exhibiting Decreased Enzyme Activity in the Metabolism of S-Mephenytoin and Omeprazole. Su-Jun Lee, Woo-Young Kim, Hyunmi Kim, Ji-Hong Shon, Sang Seop Lee, and Jae-Gook Shin 2262

About the cover: The human sulfotransferase pies: The mean expression values for each enzyme are displayed as percentages of the total sum of immunoquantified SULTs (maximum 5 enzymes) present in each tissue. See article by Riches et al. on page 2255 of this issue.