CONTENTS

SHORT COMMUNICATION

Vacuolar ATPase-Mediated Cellular Concentration and Retention of Quinacrine: A Model for the Distribution of Lipophilic Cationic Drugs to Autophagic Vacuoles. François Marceau, Marie-Thérèse Bawolak, Johanne Bouthillier, and Guillaume Morissette 2271

ARTICLES

Endogenous Gene and Protein Expression of Drug-Transporting Proteins in Cell Lines Routinely Used in Drug Discovery Programs. Gustav Ahlin, Constanze Hilgendorf, Johan Karlsson, Cristina Al-Khalili Szigyarto, Mathias Uhlén, and Per Arтурsson 2275

Metabolism of Pyridalyl in Rats. Hirohisa Nagahori, Koichi Saito, Yoshitaka Tomigahara, Naohiko Isobe, and Hideo Kaneko 2284

Absorption and Disposition of Ginsenosides after Oral Administration of Panax notoginseng Extract to Rats. Houfu Liu, Junling Yang, Feifei Du, Xiaomei Gao, Xutao Ma, Yuhong Huang, Gary L. Skiles, and Magang Shou 2290

Comparison of Blood-Brain Barrier Transport of Glial-Derived Neurotrophic Factor (GDNF) and an IgG-GDNF Fusion Protein in the Rhesus Monkey. Ruben J. Boado and William M. Partridge 2299


Glucuronidation and Covalent Protein Binding of Benoxaprofen and Flunoxaprofen in Sandwich-Cultured Rat and Human Hepatocytes. Jennifer Q. Dong and Philip C. Smith 2314


Prediction of Human Drug-Drug Interactions from Time-Dependent Inactivation of CYP3A4 in Primary Hepatocytes Using a Population-Based Simulator. Lily Xu, Yuping Chen, Yvonne Pan, Gary L. Skiles, and Magang Shou 2330


Enterohepatic Disposition of Rosuvastatin in Pigs and the Impact of Concomitant Dosing with Cyclosporine and Gemfibrozil. Ebba Bergman, Anna Lundahl, Patrik Fridblom, Mikael Hedeland, Ulf Bondesson, Lars Knutson, and Hans Lennergård 2349


The uPA(+/+)−SCID Mouse with Humanized Liver as a Model for in Vivo Metabolism of 4-Androstene-3,17-dione. Leen Lootens, Peter Van...
Eenoo, Philip Meuleman, Geert Leroux-Roels, and Frans T. Delbeke .......................... 2367

Interaction of Macrolide Antibiotics with Intestinally Expressed Human and Rat Organic Anion-Transporting Polypeptides. Tian Lan, Anuradha Rao, Jamie Haywood, Charles B. Davis, Chao Han, Eric Garver, and Paul A. Dawson ........ 2375

Evaluation of the Potential for Drug-Induced Liver Injury Based on in Vitro Covalent Binding to Human Liver Proteins. Toru Usui, Masashi Mise, Takanori Hashizume, Masashi Yabuki, and Setsuko Komuro ........................ 2383


Effects of Short-Term and Long-Term Pretreatment of Schisandra Lignans on Regulating Hepatic and Intestinal CYP3A in Rats. Li Lai, Haiping Hao, Qiong Wang, Chaonao Zheng, Fang Zhou, Yitong Liu, Yuxin Wang, Guo Yu, An Kang, Ying Peng, Guangji Wang, and Xijing Chen .......................... 2399

Supplemental material is available online at http://dmd.aspetjournals.org.

About the cover: Rat excretion profiles of ginsenosides and their deglycosylated products after p.o. administration of Sanqi extract. See the article by Liu et al. on page 2290 of this issue.