DRUG METABOLISM AND DISPOSITION

A Publication of the American Society for Pharmacology and Experimental Therapeutics

August 2012 Vol. 40, No. 8

CONTENTS

SHORT COMMUNICATIONS The Increased Cellular Uptake and Biliary Excretion		Early Development. Sheila Annie Peters, Patricia E. Schroeder, Nagdeep Giri, and Hugues	4.405
of Curcumin by Quercetin: A Possible Role of Albumin Binding Interaction. <i>Han Gyul Kim, Joo Hyun Lee, Seung Jae Lee, Ju-Hee Oh, Eunji Shin, Young Pyo Jang, and Young-Joo Lee</i>	1452	Dolgos	
Glucuronidation by Ion Mobility Spectrometry- Mass Spectrometry. Atsushi Shimizu, Tomoyuki Ohe, and Masato Chiba		Metabolic Activation of Mefenamic Acid Leading to Mefenamyl-S-Acyl-Glutathione Adduct Formation In Vitro and In Vivo in Rat. Mark P.	
Covalent Modification and Time-Dependent Inhibition of Human CYP2E1 by the <i>meta</i> -Isomer of Acetaminophen. <i>John P. Harrelson, Brendan D. Stamper, John D. Chapman, David R. Goodlett, and Sidney D. Nelson</i>	1460	Grillo, Michelle Tadano Lohr, and Jill C. M. Wait	1515
ARTICLES		dicting Rat Biliary Excretion. Manthena V. S. Varma, George Chang, Yurong Lai, Bo Feng, Ay-	
Effect of Gemfibrozil on the Metabolism of Brivaracetam In Vitro and in Human Subjects. JM. Nicolas, H. Chanteux, M. Rosa, S. Watanabe, and A. Stockis	1466	man F. El-Kattan, John Litchfield, and Theunis C. Goosen	1527
Boosting of HIV Protease Inhibitors by Ritonavir in the Intestine: The Relative Role of Cytochrome P450 and P-Glycoprotein Inhibition Based on Caco-2 Monolayers versus In Situ Intestinal Per-		Metabolite of Red Ginseng Extract Produced by Gut Microflora. Zhen Yang, Jing-Rong Wang, Tao Niu, Song Gao, Taijun Yin, Ming You, Zhi-Hong Jiang, and Ming Hu	1538
fusion in Mice. Nico Holmstock, Pieter Annaert, and Patrick Augustijns	1473	S FcRn Affinity-Pharmacokinetic Relationship of Five Human IgG4 Antibodies Engineered for Improved In Vitro FcRn Binding Properties in	
Reaction of Homopiperazine with Endogenous Formaldehyde: A Carbon Hydrogen Addition Metabolite/Product Identified in Rat Urine and Blood. Scott Martin, Eva M. Lenz, Dave Temesi, Martin Wild, and Malcolm R. Clench	1478	Cynomolgus Monkeys. Amita Datta-Mannan, Chi-Kin Chow, Craig Dickinson, David Driver, Jirong Lu, Derrick R. Witcher, and Victor J. Wro- blewski	1545
In Vivo Information-Guided Prediction Approach for Assessing the Risks of Drug-Drug Interactions Associated with Circulating Inhibitory Metabolites. <i>Zhe-Yi Hu, Robert B. Parker, and S. Casey</i>		Role of the Intestinal Peptide Transporter PEPT1 in Oseltamivir Absorption: In Vitro and In Vivo Studies. Agnès Poirier, Sara Belli, Christoph Funk, Michael B. Otteneder, Renée Portmann, Katja Heinig, Eric Prinssen, Stanley E. Lazic,	
Laizure	148/	Craig R. Rayner, Gerhard Hoffmann, Thomas Singer, David E. Smith, and Franz Schuler S Metabolism of (2S)-Pterosin A: Identification of the Phase I and Phase II Metabolites in Rat Urine.	1556

Downloaded from dmd.aspetjournals.org at ASPET Journals on December 21, 2024

Yung-Ping Lee, Feng-Lin Hsu, Jaw-Jou Kang, Chien-Kuang Chen, and Shoei-Sheng Lee	1566	D. Krämer, Neil J. Parrott, Guido Steiner, and Sara Belli	1603
S Effect of Structural Variation on Aldehyde Oxidase- Catalyzed Oxidation of Zoniporide. <i>Deepak Dalvie,</i> <i>Hao Sun, Cathie Xiang, Qiyue Hu, Ying Jiang, and</i> <i>Ping Kang</i>	1575	Brain Distribution and Bioavailability of Elacridar after Different Routes of Administration in the Mouse. Ramola Sane, Sagar Agarwal, and William F. Elmquist	1612
S Potent Inhibition of Human Sulfotransferase 1A1 by 17α-Ethinylestradiol: Role of 3'-Phosphoadenosine 5'-Phosphosulfate Binding and Structural Rearrangements in Regulating Inhibition and Activity. <i>Katie Jo Rohn, Ian T. Cook, Thomas S. Leyh, Susan A. Kadlubar, and Charles N. Falany</i>	1588	Preparation of a Specific Monoclonal Antibody against Human UDP-Glucuronosyltransferase (UGT) 1A9 and Evaluation of UGT1A9 Protein Levels in Human Tissues. Shingo Oda, Miki Nakajima, Masahiko Hatakeyama, Tatsuki Fukami, and Tsuyoshi Yokoi	1620
Utility of Drug Depletion-Time Profiles in Isolated Hepatocytes for Accessing Hepatic Uptake Clearance: Identifying Rate-Limiting Steps and Role of Passive Processes. <i>Emilie Jigorel and J. Brian Houston</i>	1596	S Identification of the <i>ortho</i> -Benzoquinone Intermediate of 5- <i>O</i> -Caffeoylquinic Acid In Vitro and In Vivo: Comparison of Bioactivation under Normal and Pathological Situations. <i>Cen Xie, Dafang Zhong, and Xiaoyan Chen</i>	1628
Expression Profiles of Metabolic Enzymes and Drug Transporters in the Liver and along the Intestine of Beagle Dogs. Stephanie Haller, Franz Schuler, Stanley E. Lazic, Dalila Bachir-Cherif, Stefanie		S The Development, Characterization, and Application of an OATP1B1 Inhibition Assay in Drug Discovery. Matthew G. Soars, Patrick Barton, Manfred Ismair, Rachael Jupp, and Robert J. Riley	1641

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