CONTENTS

PERSPECTIVE

SHORT COMMUNICATION
The Phosphoinositide-Specific Phospholipase C Inhibitor U73122 (1-(6-((17β-3-Methoxyestr-1,3,5(10)-tri-en-17-yl)amino)hexyl)-1H-pyrrole-2,5-dione) Spontaneously Forms Conjugates with Common Components of Cell Culture Medium. Nicola E. Wilsher, Will J. Court, Ruth Ruddle, Yvette M. Newbatt, Wynne Aherne, Peter W. Sheldrake, Neil P. Jones, Matilda Katan, Suzanne A. Eccles, and Florence I. Raynaud ... 1017

ARTICLES
Esterase Inhibition Attribute of Grapefruit Juice Leading to a New Drug Interaction. Ping Li, Patrick S. Callery, Liang-Shang Gan, and Suresh K. Balani .................... 1023

Valproic Acid Induces CYP3A4 and MDR1 Gene Expression by Activation of Constitutive Androstane Receptor and Pregnane X Receptor Pathways. Lukas Cerveny, Lucie Svecova, Eva Anzenbacherova, Radim Vrzal, Frantisek Staud, Zdenek Dvorak, Jitka Ulrichova, Pavel Anzenbacher, and Petr Pavek .................. 1032

Biotransformation of 6-Methoxy-3-(3′,4′,5′-trimethoxy-benzoyl)-1H-indole (BPR01075), a Novel Antimicrotubule Agent, by Mouse, Rat, Dog, and Human Liver Microsomes. Hsien-Tsung Yao, Yu-Shan Wu, Yi-Wei Chang, Hsing-Pang Hsieh, Wei-Cheng Chen, Shih-Jung Lan, Chiung-Tong Chen, Yu-Sheng Chao, Ling Chang, Hsu-Yi Sun, and Teng-Kuang Yeh .................. 1042

Possible Bioactivation Pathways of Lamotrigine. Wei Lu and Jack P. Uetrecht .... 1050

Effect of Perinatal Low Protein Diets on the Ontogeny of Select Hepatic Cytochrome P450 Enzymes and Cytochrome P450 Reductase in the Rat. Ganesh Cherala, Bernard H. Shapiro, and Anil P. D’mello ............ 1057


Metabolism, Pharmacokinetics, and Excretion of a Nonpeptidic Substance P Receptor Antagonist, Ezlopitant, in Normal Healthy Male Volunteers: Characterization of Polar Metabolites by Chemical Derivatization with Dnsyl Chloride. Chandra Prakash, John O’Donnell, and S. Cyrus Khojasteh-Bakht .................. 1071

Identification of a Novel Glutathione Conjugate of Flutamide in Incubations with Human Liver Microsomes. Ping Kang, Deepak Dalvie, Evan Smith, Sue Zhou, and Alan Deese ............ 1081

Intestinal First-Pass Metabolism via Carboxylesterase in Rat Jejunum and Ileum. Kenji Masaki, Mitsuru Hashimoto, and Teruko Inai ............ 1089

Continued on next page
Contents (cont’d.)


Isolation and Characterization of Polyspecific Mouse Organic Solute Carrier Protein 1 (mOscp1). Yasuna Kobayashi, Ayumi Tsu-chiya, Tomofumi Hayashi, Noriko Kohyama, Masayuki Ohbayashi, and Toshinori Yamamoto ................................. 1239

ERRATUM

Correction to “Three-Dimensional Quantitative Structure-Activity Relationship Analysis of Human CYP51 Inhibitors”. S. Ekins, D. C. Mankowski, D. J. Hoover, M. P. Lawton, J. L. Treadway, and H. J. Harwood, Jr. ................................. 1246


About the cover: A diagram showing the relationship between % remaining and the therapeutic blood or plasma concentration of 171 marketed compounds in which in vivo DDI information was incorporated. See the article by Watanabe et al. in this issue on page 1232.