SHORT COMMUNICATIONS


ARTICLES


The Pneumotoxin 3-Methylindole Is a Substrate and a Mechanism-Based Inactivator of CYP2A13, a Human Cytochrome P450 Enzyme Preferentially Expressed in the Respiratory Tract. Jaime D’Agostino, Xiaoliang Zhuo, Mohammad Shadid, Daniel G. Morgan, Xiaoling Zhang, W. Griffith Humphreys, Yue-Zhong Su, Garold S. Yost, and Xinxin Ding .... 2018

Multiple Efflux Pumps Are Involved in the Transepithelial Transport of Colchicine: Combined Effect of P-Glycoprotein and Multidrug Resistance-Associated Protein 2 Leads to Decreased Intestinal Absorption Throughout the Entire Small Intestine. Arik Dahan, Hairat Sabit, and Gordon L. Amidon ............ 2028

Modulation of Bile Acid Metabolism by 1α-Hydroxyvitamin D3 Administration in Mice. Shigeru Nishida, Jun Ozeki, and Makoto Makishima .... 2037

In Vitro Inhibition and Induction of Human Liver Cytochrome P450 Enzymes by Milnacipran. Brandy L. Paris, Brian W. Ogilvie, Julie A. Schein-koenig, Florence Nkikum-Moffor, Remi Gibson, and Andrew Parkinson .... 2045

Absorption, Disposition, Metabolic Fate, and Elimination of the Dopamine Agonist Rotigotine in Man: Administration by Intravenous Infusion or Transdermal Delivery. Willi Cavello, Marina Braun, and Hilmar Boekens .... 2055


S 24-Hydroxycholesterol Sulfation by Human Cytosolic Sulfotransferases: Formation of Monosulfates and Disulfates, Molecular Modeling, Sulfatase Sensitivity, and Inhibition of Liver X Receptor Activation. Ian T. Cook, Zofia Duniec-Dmuchowski, Thomas A.
Kocarek, Melissa Runge-Morris, and Charles N. Falany ........................ 2069

Further Studies on the Role of Metabolites in (±)-3,4-Methylenedioxyamphetamine-Induced Serotonergic Neurotoxicity. Melanie Mueller, Jie Yuan, Anne Felim, Anne Neudörffer, Frank T. Peters, Hans H. Maurer, Una D. McCann, Martine Largeron, and George A. Ricaurte .......... 2079


4-Hydroxy-2,2’,3,4’,5,5’,6-heptachlorobiphenyl-Mediated Decrease in Serum Thyroxine Level in Mice Occurs through Increase in Accumulation of Thyroxine in the Liver. Yoshihisa Kato, Koichi Haraguchi, Makiko Kubota, Yoshiki Seto, Shin-ichi Ikushiro, Toshiyuki Sakaki, Nobuyuki Koga, Shizuo Yamada, and Masakuni Degawa ........................................... 2095


ACCELERATED COMMUNICATION

MicroRNAs Regulate CYP3A4 Expression via Direct and Indirect Targeting. Yu-Zhuo Pan, Wenqing Gao, and Ai-Ming Yu .................. 2112

ERRATUM

Correction to “Characterization of Dasatinib and its Structural Analogs as CYP3A4 Mechanism-Based Inactivators and the Proposed Bioactivation Pathways” .............. 2118


About the cover: Involvement of miRNAs in the regulation of CYP3A4 expression. See article by Pan et al. on page 2112 of this issue.