

DRUG METABOLISM AND DISPOSITION

A Publication of the American Society for Pharmacology and Experimental Therapeutics

December 2018

Vol. 46, No. 12

CONTENTS

MINIREVIEW

Polymorphisms of the Multidrug Pump ABCG2: A Systematic Review of Their Effect on Protein Expression, Function, and Drug Pharmacokinetics. *Niall Heyes, Parth Kapoor, and Ian D. Kerr* **1886**

ARTICLES

6-Chloro-5-[4-(1-Hydroxycyclobutyl)Phenyl]-1*H*-Indole-3-Carboxylic Acid is a Highly Selective Substrate for Glucuronidation by UGT1A1, Relative to β -Estradiol. *Kimberly Lapham, Jian Lin, Jonathan Novak, Christine Orozco, Mark Niosi, Li Di, Theunis C. Goosen, Sangwoo Ryu, Keith Riccardi, Heather Eng, Kimberly O. Cameron, and Amit S. Kalgutkar* **1836**

Metabolism of *c*-Met Kinase Inhibitors Containing Quinoline by Aldehyde Oxidase, Electron Donating, and Steric Hindrance Effect. *Jiang Wei Zhang, Wen Xiao, Zhen Ting Gao, Zheng Tian Yu, and Ji Yue (Jeff) Zhang* **1847**

Calcitriol and Calcipotriol Modulate Transport Activity of ABC Transporters and Exhibit Selective Cytotoxicity in MRP1-overexpressing Cells. *Kee W. Tan, Angelina Sampson, Bremansu Osa-Andrews, and Surtaj H. Iram* **1856**

Identification and Quantification of Novel Major Metabolites of the Steroidal Aromatase Inhibitor, Exemestane. *Shaman Luo, Gang Chen, Cristina I. Truica, Cynthia C. Baird, Zuping Xia, and Philip Lazarus* **1867**

Regional Differences in Human Intestinal Drug Metabolism. *Raditya Iswandana, Marina I. Irianti, Dorenda Oosterhuis, Hendrik S. Hofker, Marjolijn T. Merema, Marina H. de Jager, Henricus A. M. Mutsaers, and Peter Olinga* **1879**

Toward a Combinatorial Approach for the Prediction of IgG Half-Life and Clearance. *Dennis R. Goulet, Michael J. Watson, Susan H. Tam, Adam Zwolak, Mark L. Chiu, William M. Atkins, and Abhinav Nath* **1900**

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

About the cover: Effects of test compounds on MRP1 activity in cell-based assays. See the article by Tan et al. ([dx.doi.org/10.1124/dmd.118.081612](https://doi.org/10.1124/dmd.118.081612)).

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