February 2021

CONTENTS

ARTICLES

In Vitro Metabolism of Slowly Cleared G Protein–Coupled Receptor 139 Agonist TAK-041 Using Rat, Dog, Monkey, and Human Hepatocyte Models (HepatoPac): Correlation with In Vivo Metabolism. Amin Kamel, Steve Bowlin, Natalie Hosea, Dimitrios Arkilo, and Antonio Laurenza .

Impact of Direction of Transport on the Evaluation of Inhibition Potencies of Multidrug and Toxin Extrusion Protein 1 Inhibitors. Asami Saito, Naoki Ishiguro, Masahto Takatani, Bojan Bister, and Hiroyuki Kusuhara .


Use of Intravenous Infusion Study Design to Simultaneously Determine Brain Penetration and Systemic Pharmacokinetic Parameters in Rats. Keumhan Noh, Alicia Pietrasiewicz, Xingrong Liu, and Cong Wei .


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

About the cover: Performance of in silico methods in predicting human volume of distribution. See the article by Murad and Pasikanti et al. (dx.doi.org/10.1124/dmd.120.000202).