LETTER TO THE EDITOR
The Importance of Nonspecific Binding in In Vitro Matrices, Its Impact on Enzyme Kinetic Studies of Drug Metabolism Reactions, and Implications for In Vitro-In Vivo Correlations. R. Scott Obach ................. 1047

ARTICLES
Stereoselective Irreversible Binding of Ketoprofen Glucuronides to Albumin: Characterization of the Site and the Mechanism. Nathalie Presle, Françoise Lapicque, Sylvie Fournel-Gigleux, Jacques Magdalou, and Patrick Netter .... 1050
Systemic Clearance and Demethylation of Caffeine in Sheep and Cattle. Terry J. Danielson and Lorraine R. Golsteyn ....... 1058
Comparative Toxicokinetics of Methanol in Pregnant and Nonpregnant Rodents. Keith W. Ward and Gary M. Pollack ........ 1062
Excretion and Metabolism of Tipredane, a Novel Glucocorticoid, in the Rat, Mouse, Monkey, and Human. A. E. Cooper, A. J. Gray, J. Collington, H. Seddon, I. Beattie, and C. J. Logan .... 1071
Human CYP2C19 is a Major Omeprazole 5-Hydroxylase, as Demonstrated with Recombinant Cytochrome P450 Enzymes. W. G. Karam, J. A. Goldstein, J. M. Lasker, and B. I. Ghnayem .... 1081
Reversal of Stereoselectivity in the Hepatic Availability of Verapamil in Isolated Perfused Rat Livers: Role of Protein Binding. Reza Mehrvar and James Reynolds .......... 1088
Regulation of Rat Hepatic Sulfotransferase Gene Expression by Glucocorticoid Hormones. Melissa Runge-Morris, Kelly Rose, and Thomas A. Kocarek .................. 1095
Disposition of a Novel Recombinant Antithrombotic Agent, RG 12986, in Cynomolgus Monkeys. David S. Wells, Russell Hensel, Costas Loullis, Patricia Brophy, Mary Ellen Mullin, Edward Murray, and George Ricca .... 1102
Transfer of Different Nonsteroidal Antiinflammatory Drugs via the Lymphatic System in the Rat. Rieke Oelkers, Mihai Ionac, Katharina Erb, Kay Brune, and Gerd Geisslinger .... 1107
Species Differences in the Pharmacokinetics and Metabolism of Indinavir, a Potent Human Immunodeficiency Virus Protease Inhibitor. Jiunn H. Lin, Masato Chiba, Suresh K. Balani, I-Wu Chen, Gloria Y-S. Kwei, Kari J. Vastag, and Joy A. Nishime .... 1111
Isolation and Identification of Metabolites of Leukotriene A4 Hydrolase Inhibitor SC-57461 in Rats. Jin H. Yuan, Jill Birkmeier, Dai Chang Yang, Jeremy D. Hribar, Norman Liu, Roy Bible, Elisabeth Haidu, Marie Rock, and Grant Schoenhard .... 1124
Fluoroquinolone Antibiotics Inhibit Cytochrome P450-Mediated Microsomal Drug Metabolism in Rat and Human. Roman A. McLeLLan, Robert K. Drobotich, Mario Monshower, and Kenneth W. Renton .... 1134

Continued on next page
Contents (cont'd.)

Metabolism of an Atypical Antipsychotic Agent, 3-[4-[4-(6-Fluorobenzothien-3-yl)-1-piperazinyl]-butyl]-2,5,5-trimethyl-4-thiazolidinone (HP236).
A. E. Mutlib, J. Jurcak, and N. Hrib ............... 1139


Role of Altered Metabolism in Dideoxynucleoside Pharmacokinetics: Studies of 2'-'β-Fluoro-2',3'-Dideoxyinosine and 2'-β-Fluoro-2',3'-Dideoxyadenosine in Rats. Dharmendra Singhal, Michael E. Morgan, and Bradley D. Anderson ............... 1155

Stereoselective Disposition of the Enantiomers of the Benzoquinolinone LY191704, a Human Type I 5α-Reductase Inhibitor: Differences Between Rats and Dogs. Nagy A. Farid, Kurt M. Schreiner, Nikola L. Coleman, Robert B. L. van Lier, and Steven A. Wrighton ............... 1162

Erratum ............... 1166