

Drug Metabolism and Disposition:

the biological fate of chemicals

AUGUST 1996

August 1996

Vol. 24, No. 8

CONTENTS

Metabolism of Racemic 3,4-Methylenedioxyethylamphetamine in Humans: Isolation, Identification, Quantification, and Synthesis of Urinary Metabolites. HARTMUT K. ENSSLIN, HANS H. MAURER, EUPHROSYNE GOUZOLIS, LEOPOLD HERMLE, AND KARL-ARTUR KOVAR	813	Cytochrome P4503A Is the Major Source of <i>N</i> -Vinylprotoporphyrin IX Formation after Administration of 3-[2-(2,4,6-Trimethylphenyl)thioethyl]-4-methylsydnone to Untreated and Dexamethasone-Pre-treated Rats. JAMES P. MCNAMEE AND GERALD S. MARKS	872
Sequestered Endoplasmic Reticulum Space for Sequential Metabolism of Salicylamide: Coupling of Hydroxylation and Glucuronidation. ROMMEL G. TIRONA AND K. SANDY PANG	821	Purification and Characterization of a Medium Chain Acyl-Coenzyme A Synthetase. FUMIYO KASUYA, KAZUO IGARASHI, MIYOSHI FUKUI, AND KIYOSHI NOKIHARA	879
Metabolism of Aceclofenac in Humans. R. BORT, X. PONSODA, E. CARRASCO, M. J. GÓMEZ-LECHÓN, AND J. V. CASTELL	834	Expression of CYP2A Genes in Rodent and Human Nasal Mucosa. TING SU, JONATHAN J. SHENG, THOMAS W. LPINSKAS, AND XINXIN DING	884
Reactivity of Mefenamic Acid 1- <i>O</i> -Acyl Glucuronide with Proteins <i>In Vitro</i> and <i>Ex Vivo</i> . KAREN A. MCGURK, RORY P. REMMEL, VINAYAK P. HOSAGRAHARA, DAVID TOSH, AND BRIAN BURCHELL	842	Identification of Tissue-Specific DNase I Hypersensitive Sites in the Rabbit Flavin-Containing Monooxygenase Form 2 Gene. STACEY E. SHEHIN-JOHNSON, KENNETH C. PALMER, AND RONALD N. HINES	891
Effects of Ethanol and Cocaethylene on Cocaine Pharmacokinetics in Conscious Dogs. ROBERT B. PARKER, CHERI L. WILLIAMS, S. CASEY LAIZURE, TIMOTHY D. MANDRELL, GREGORY S. LABRANCHE, AND JOHN J. LIMA	850	Expression of Cytochromes P450 in Human Breast Tissue and Tumors. ZEQU HUANG, MICHAEL J. FASCO, HELEN L. FIGGE, KHANDAN KEYOMARSI, AND LAURENCE S. KAMINSKY	899
Regulation of Hepatic Sulfotransferases by Steroidal Chemicals in Rats. LAN LIU AND CURTIS D. KLAASSEN	854	Biotransformation of the Aerosol Propellant 1,1,1,2,3,3,3-Heptafluoropropane (HFA-227): Lack of Protein Binding of the Metabolite Hexafluoroacetone. U. KÖSTER, D. MAYER, H. M. DEGER, AND W. DEKANT	906
<i>In Vitro</i> Metabolism of Atrazine, Terbutylazine, Ametryne, and Terbutryne in Rats, Pigs, and Humans. DIETER LANG, DAGMAR CRIEGEE, ANJA GROTHUSEN, ROLF W. SAALFRANK, AND RONALD H. BÖCKER	859	Pharmacokinetics of Ethylene Glycol. I. Plasma Disposition after Single Intravenous, Peroral, or Percutaneous Doses in Female Sprague-Dawley Rats and CD-1 Mice. STEPHEN W. FRANTZ, JOYCE L. BESKITT, CHRISTINE M. GROSSE, MARILYN J. TALLANT, F. KIRK DIETZ, AND BRYAN BALLANTYNE	911
Metabolism and Toxicity of 4-Hydroxyphenylacetone in Rat Liver Slices: Comparison with Acetaminophen. DAVID C. THOMPSON, AND KUMAR PERERA, AND ROBERT LONDON	866		

Continued on next page

SHORT COMMUNICATIONS

Local Perivascular Administration of Basic Fibroblast Growth Factor: Drug Delivery and Toxicological Evaluation. JOHN J. LOPEZ, ELAZER R. EDELMAN, ALON STAMLER, JAMES P. MORGAN, FRANK W. SELKE, AND MICHAEL SIMONS. 922

ERRATUM

Uptake of Sulfate Conjugates by Isolated Rat Hepatocytes. ABDULLAH M. HASSEN, DENNIS LAM, MASATO CHIBA, EUGENE TAN, WANPING GENG, AND K. SANDY PANG. 925