Drug Metabolism and Disposition:
the biological fate of chemicals

September 1995

Vol. 23, No. 9

CONTENTS

LETTER TO THE EDITOR
Relevance of Tissue Distribution Studies and Cyto-
pharmacology: Utility of Radioassay Combined
with Autoradiography. WALTER E. STUMPF .... 885

ACCELERATED COMMUNICATION
Metabolism of Oral 9-cis-Retinoic Acid in the Hu-
man: Identification of 9-cis-Retinoyl-β-glucu-
ronide and 9-cis-4-Oxo-retinoyl-β-glucuronide
as Urinary Metabolites. JOHN OLIVER SASS, ELI-
BETH MASGRAU, JEAN-HILAIRE SAURAT, AND HEINZ
NAU .............. 887

ARTICLES
Reactivity of Gemfibrozil 1-β-Acyl Glucuronide:
Pharmacokinetics of Covalently Bound Gemfi-
brozil-Protein Adducts in Rats. BENEDETTA C.
SALLUSTIO AND DAVID J. R. FOSTER ........ 892

Stereoselective Reversible Binding Properties of the
Glucuronide Conjugates of Fenoprofen Enanti-
omers to Human Serum Albumin. ALFRED
BISCHER, MASAHIRO IWAKI, PARNIAN ZIA-AMERHOS-
SEINI, AND LESLIE Z. BENET .................. 900

A Comparison of Mass Balance, Pharmacokinetics,
and Disposition of [14C(U)]- and [125I]Recombi-
nant Human Interleukin-2 in Cynomolgus Mon-
keys. ROSEMARY W. NADEAU, HIROKO SATOH, SALLIE
SCHEDIE, ROBERT CROWL, ROBERT CONROY,
WILLIAM A. GARLAND, AND DANIEL J. LIBERATO .......................... 904

Characterization of an O-Glucuronide Metabolite of
the CCK-B Antagonist LY288513 and Its Plasma
Levels in Mouse, Rat, and Dog. JOSEPH M. WOOD-
LAND AND WILLIAM J. EHLHARDT ............ 910

Disposition of the Opioid Antagonist, LY255582, in
Rats and Dogs. STEVEN P. SWANSON, JOHN CAT-
LOW, RAYMOND C. POHLAND, SYLVIA H. CHAY, AND
TED JOHNSON ..................................... 916

Induction of Rodent Hepatic Drug-Metabolizing En-
zyme Activities by the Novel Anticonvulsant
Remacemide Hydrochloride. R. J. RILEY, C. LAM-
BERT, A. E. COOPER, H. RICHMOND, M. HALL,
M. C. JORDAN, C. J. LOGAN, AND B. CLARK .... 922

Determination of Human Hepatic Cytochrome
P4501A2 Activity in vitro: Use of Tacrine as an
Isoenzyme-Specific Probe. VANESSA SPALDIN,
STEPHEN MADDEN, DELYTH A. ADAMS, ROBERT
J. EDWARDS, DONALD S. DAVIES, AND B. KEVIN
PARK ........................................ 929

Comparison of Purified Human and Rabbit Serum Para-
oxonases. CHUNG-LIANG KUO AND BERT N. LA DU .... 935

Bacterial Expression and Kinetic Characterization of the
Human Monoamine-Sulfating Form of Phenol
Sulfotransferase. TANMOY C. GANGULY, VIC-
TOR KRASNYKH, AND CHARLES N. FALANY ......... 945

Application of Hyphenated LC/NMR and LC/MS
Techniques in Rapid Identification of in vitro
and in Vivo Metabolites of Iloperidone. A. E.
MUTLIB, J. T. STRUPCZEWSKI, AND S. M. CHESSON 951

Continued on next page
ANNOUNCEMENT

The 11th International Symposium on Bioengineering and the Skin will be held October 2–5, 1996, in Zurich, Switzerland. For further information please contact:

AKM Congress Service
Clarastrasse 57
CH 4005 Basel, Switzerland
Phone: +41-61-691 5111
FAX: +41-61-691 8189