Drug Metabolism and Disposition:  

Volume 24, Number 11  

November 1996

Editor  
RAYMOND F. NOVAK

A publication of the  
American Society for  
Pharmacology and  
Experimental Therapeutics

Founded in 1973  
by Kenneth C. Leibman

Published monthly by  
Williams & Wilkins

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Submission of manuscripts. DRUG METABOLISM AND DISPOSITION will consider for publication manuscripts describing the results of original research that contribute significant and novel information on xenobiotic metabolism and disposition. The term xenobiotic includes therapeutic agents as well as environmental chemicals, and research may involve the use of in vivo or in vitro approaches, including cultured cells and heterologous expression systems. Manuscripts describing the results of pharmacokinetic/pharmacodynamic research are invited. Manuscripts that examine mechanistic aspects of xenobiotic metabolism as well as those examining mechanisms that affect xenobiotic metabolism or disposition, including drug-metabolizing enzyme expression, regulation of drug-metabolizing enzyme gene expression, and genetic polymorphism, are encouraged. Manuscripts concerned with genetic, nutritional, or hormonal factors that influence the biological fate of chemicals are also of interest, as are those that address the toxicologic consequences of xenobiotic metabolism.

Four copies of each manuscript should be sent to Dr. Raymond F. Novak, Editor, DRUG METABOLISM AND DISPOSITION, The Institute of Chemical Toxicology, Wayne State University, 2727 Second Avenue, Room 4000, Detroit, MI 48201-2654. Telephone: (313) 961-4943. Fax: (313) 961-0026 or 577-0082. Submission of a manuscript implies that the material contained therein has not previously been published except as an abstract for a scientific meeting, and that it is not being submitted elsewhere.

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Equilibrium and kinetic constants: Ks (dissociation constant); Ke or Ki (dissociation constant of enzyme-substrate or enzyme-inhibitor complex); Km (Michaelis constant); Vmax (maximum initial velocity); k (rate constant); pKd (negative logarithm of dissociation constant); t1/2, half-life; AUC, area under the curve of plasma concentrations vs. time.

Statistics: p (probability of chance observation); N (number of experiments); SD (standard deviation of the series); SE (standard error of the mean).

Other abbreviations: °C (degrees of temperature); g (acceleration due to gravity, as in 9000 g); rpm (revolutions per min); LD50 and ED50 (median lethal and effective doses); iv (intravenous); ip (intraperitoneal); im (intramuscular); sc (subcutaneous); po (peroral); m.p. (melting point); sp.g. (specific gravity).

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