1. Record Nr. UNINA9910711843603321

Autore	Sayre A. N (Albert Nelson), <1901-1967, >
Titolo	Water levels and artesian pressures in observation wells in the United States in 1954 . Part 1, Northeastern states / / prepared under the direction of A.N. Sayre
Pubbl/distr/stampa	[Washington, D.C.] : , : United States Department of the Interior, Geological Survey, , 1956
Descrizione fisica	1 online resource (vii, 340 pages) : illustrations, maps
Collana	Geological Survey water-supply paper ; ; 1321
Soggetti	Groundwater - Northeastern States Water-supply - Northeastern States Artesian wells - Northeastern States Artesian wells Groundwater Water-supply Northeastern States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Prepared in cooperation with the states of Connecticut, Delaware, Indiana, Massachusetts, Michigan, New Jersey, New York, Ohio, Pennsylvania, and Rhode Island, and with other agencies."

2. Record Nr. UNINA9911019979103321

Autore	Kalgutkar Amit S. <1965->
Titolo	Reactive drug metabolites / / Amit S. Kalgutkar ...[et. al.]
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, 2012
ISBN	9786613916471 9783527655748 3527655743 9781283604024 1283604027 9783527655762 352765576X 9783527655779 3527655778
Descrizione fisica	1 online resource (403 p.)
Collana	Methods and principles in medicinal chemistry
Disciplina	615.19
Soggetti	Free radicals (Chemistry) - Physiological effect Drugs - Metabolism
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Reactive Drug Metabolites; Contents; Preface; A Personal Foreword; 1 Origin and Historical Perspective on Reactive Metabolites; Abbreviations; 1.1 Mutagenesis and Carcinogenesis; 1.2 Detection of Reactive Metabolites; 1.3 Induction and Inhibition: Early Probes for Reactive Metabolites and Hepatotoxicants; 1.4 Covalent Binding and Oxidative Stress: Possible Mechanisms of Reactive Metabolite Cytotoxicity; 1.5 Activation and Deactivation: Intoxication and Detoxification; 1.6 Genetic Influences on Reactive Metabolite Formation 1.7 Halothane: the Role of Reactive Metabolites in Immune-Mediated Toxicity1.8 Formation of Reactive Metabolites, Amount Formed, and Removal of Liability; 1.9 Antibodies: Possible Clues but Inconclusive; 1.10 Parent Drug and Not Reactive Metabolites, Complications in Immune-Mediated Toxicity; 1.11 Reversible Pharmacology Should not be Ignored as a Primary Cause of Side Effects; 1.12 Conclusions: Key

Points in the Introduction; References; 2 Role of Reactive Metabolites in Genotoxicity; Abbreviations; 2.1 Introduction; 2.2 Carcinogenicity of Aromatic and Heteroaromatic Amines
2.3 Carcinogenicity of Nitrosamines2.4 Carcinogenicity of Quinones and Related Compounds; 2.5 Carcinogenicity of Furan; 2.6 Carcinogenicity of Vinyl Halides; 2.7 Carcinogenicity of Ethyl Carbamate; 2.8 Carcinogenicity of Dihaloalkanes; 2.9 Assays to Detect Metabolism-Dependent Genotoxicity in Drug Discovery; 2.10 Case Studies in Eliminating Metabolism-Based Mutagenicity in Drug Discovery Programs; References; 3 Bioactivation and Inactivation of Cytochrome P450 and Other Drug-Metabolizing Enzymes; Abbreviations; 3.1 Introduction
3.2 Pharmacokinetic and Enzyme Kinetic Principles Underlying Mechanism-Based Inactivation and Drug-Drug Interactions3.2.1 Enzyme Kinetic Principles of Mechanism-Based Inactivation; 3.2.2 Pharmacokinetic Principles Underlying DDIs Caused by Mechanism-Based Inactivation; 3.3 Mechanisms of Inactivation of Cytochrome P450 Enzymes; 3.3.1 Quasi-Irreversible Inactivation; 3.3.2 Heme Adducts; 3.3.3 Protein Adducts; 3.4 Examples of Drugs and Other Compounds that are Mechanism-Based Inactivators of Cytochrome P450 Enzymes; 3.4.1 Amines; 3.4.2 Methylenedioxyphenyl Compounds
3.4.3 Quinones, Quinone Imines, and Quinone Methides3.4.4 Thiophenes; 3.4.5 Furans; 3.4.6 Alkynes; 3.4.7 2-Alkylimidazoles; 3.4.8 Other Noteworthy Cytochrome P450 Inactivators; 3.5 Mechanism-Based Inactivation of Other Drug-Metabolizing Enzymes; 3.5.1 Aldehyde Oxidase; 3.5.2 Monoamine Oxidases; 3.6 Concluding Remarks; References; 4 Role of Reactive Metabolites in Drug-Induced Toxicity - The Tale of Acetaminophen, Halothane, Hydralazine, and Tienilic Acid; Abbreviations; 4.1 Introduction; 4.2 Acetaminophen; 4.2.1 Metabolism of Acetaminophen; 4.2.2 Metabolic Activation of Acetaminophen
4.3 Halothane

Sommario/riassunto

Closing a gap in the scientifi c literature, this first comprehensive introduction to the topic is based on current best practice in one of the largestpharmaceutical companies worldwide. The first chapters trace the development of our understanding of drug metabolite toxicity, covering basic concepts and techniques in the process, while the second part details chemical toxicophores that are prone to reactive metabolite formation. This section also reviews the various drug-metabolizing enzymes that can participate in catalyzing reactive metabolite formation, including a discussion of the st