



Selectivity and Molecular Mechanisms of Toxicity

De Matteis, F.

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Selectivity And Molecular Mechanisms Of Toxicity

**G.E. Adams,A. Breccia,E.M. Fielden,P.
Wardman**



Selectivity And Molecular Mechanisms Of Toxicity:

Selectivity and Molecular Mechanisms of Toxicity Francesco De Matteis, Edward A. Lock, 1987-06-18 **Molecular and Cellular Mechanisms of Toxicity** Lewis L. Smith, Francesco De Matteis, 2019-06-04 First Published in 1995 Written by specialists in their fields this book contains short reviews intended to highlight points of growing interest in mechanistic toxicology The first section considers selected aspects of molecular mechanisms including selectivity of toxic agents and repair processes in the nervous system toxicity of oxygen fibers and aflatoxins The second section discusses the interactions of carcinogens with DNA and other targets and their relevance to both molecular dosimetry of exposure and development of cancer The final part is concerned with cellular and genetic aspects and includes coverage of some of the most recent and rapidly developing problems in toxicology **Mechanisms and Concepts in Toxicology** W. Norman Aldridge, 1996-02-15 Illustrating concepts and types of toxicity from a mechanistic point of view this book focuses on research procedures in toxicology The book uses examples of chemical intoxicants to illustrate mechanisms in each stage of toxicity **Molecular and Cellular Mechanisms of Toxicity** Taylor & Francis Group, 2020-12-12 First Published in 1995 Written by specialists in their fields this book contains short reviews intended to highlight points of growing interest in mechanistic toxicology The first section considers selected aspects of molecular mechanisms including selectivity of toxic agents and repair processes in the nervous system toxicity of oxygen fibers and aflatoxins The second section discusses the interactions of carcinogens with DNA and other targets and their relevance to both molecular dosimetry of exposure and development of cancer The final part is concerned with cellular and genetic aspects and includes coverage of some of the most recent and rapidly developing problems in toxicology **The Charnolosome as a Novel Nanotheranostic Biomarker** Sushil Sharma, 2024-09-30 The Charnolosome as a Novel Nanotheranostic Biomarker Overcoming Future Challenges in Medicine provides an overview of the charnolosome and its potential as a biomarker of cell injury Based on the author s original discovery of the charnoly body in the developing undernourished rat cerebellar Purkinje neurons this book delves into the potential for utilizing this mitochondria and lysosomal derived intracellular organelle as a nanotheranostic biomarker to prevent and cure various diseases The book discusses the cellular molecular genetic and epigenetic mechanisms of charnolosomes and charnolosome derived nano vesicles It also investigates the molecular mechanisms underlying auto inflammatory autoimmune and infectious diseases resulting from their compromised mitochondrial bioenergetics and the potential use of the charnolosome in preventing and curing such conditions Shares the latest knowledge on the charnolosome and charnolosome derived nano vesicles and their significance at a cellular and molecular level Considers the charnolosome in relation to a range of conditions including neurodegenerative metabolic and multi drug resistant systemic diseases Presents future perspectives of the charnolosome in personalized nanotheranostics *Target Organ Toxicity, Volume I* Cohen, 2020-01-29 This two volume set provides essential information on the general principles of target organ toxicity Pharmacokinetics metabolic activation

and key defense mechanisms excretion species variation and tissue specific biochemistry are explored comprehensively These general principles are then illustrated using specific examples of toxicity to different target organs and systems DNA modification and repair in tumor induction and specificity in tumor initiation are also examined Of primary interest to toxicologist pharmacologists biochemists and environmental toxicologists

Selective Estrogen Receptor Modulators Andrea Manni, Michael Verderame, 2002-01-18 Experimental and clinical researchers from a wide range of disciplines present a wealth of fresh scientific information on the biochemistry molecular biology pharmacology and clinical activity of SERMs The basic science chapters of the book focus with an eye to the development of the ideal SERM on the complex mechanisms of estrogen action including ligand dependent conformational changes in alpha and beta and the recruitment of co activators and co repressors which modulate the estrogen receptor transcriptional activity and contribute to its crosstalk with growth factor signaling The clinical presentation reviews the data accumulated on currently available SERMs primarily tamoxifen and raloxifene in cancer treatment and prevention as well as their effects on the reproductive vascular skeletal and central nervous systems A tentative approach to menopause related health issues is also provided for women with and without a previous diagnosis of localized breast cancer

Molecular Mechanisms of Herbicide Selectivity D. E. Hathway, 1989 Because plants of different species vary in the way in which they take up transport and metabolize chemicals in the soil selective herbicides can be synthesized This book examines those aspects of plant physiology principally in crop plants which can be affected by herbicides the possibilities that are offered by recombinant DNA technology for developing resistance to herbicides and methods for exploiting or preventing acquired tolerance The author also covers recent work on ultra selective mycoherbicides and the use of allelochemicals as herbicide substitutes

An Introduction to Interdisciplinary Toxicology Carey N. Pope, Jing Liu, 2020-02-21 An Introduction to Interdisciplinary Toxicology From Molecules to Man integrates the various aspects of toxicology from simple molecular systems to complex human communities with expertise from a spectrum of interacting disciplines Chapters are written by specialists within a given subject such as a chemical engineer nutritional scientist or a microbiologist so subjects are clearly explained and discussed within the toxicology context Many chapters are comparative across species so that students in ecotoxicology learn mammalian toxicology and vice versa Specific citations further reading study questions and other learning features are also included The book allows students to concurrently learn concepts in both biomedical and environmental toxicology fields thus better equipping them for the many career opportunities toxicology provides This book will also be useful to those wishing to reference how disciplines interact within the broad field of toxicology

Rounds of the Teaching Staff, 1975

Selective Activation of Drugs by Redox Processes G.E. Adams, A. Breccia, E.M. Fielden, P. Wardman, 2012-12-06 Proceedings of a NATO ARW held in Fermo Italy August 28 September 1 1989

Principles of Ecotoxicology C.H. Walker, R.M. Sibly, D.B. Peakall, 2016-04-19 Cutting across traditional subject boundaries Principles of Ecotoxicology Fourth Edition gives readers an integrated view of

ecotoxicology from molecules to ecosystems This new edition of a bestselling textbook continues to emphasize principles rather than practice providing the interdisciplinary perspective and grounding required for research **Second Special**

Report: Session 1986-87 Great Britain. Parliament. House of Commons. Agriculture Committee, Richard Body, 1987

Research Awards Index ,1987

Selective Inhibitors Of Viral Functions W. A. Carter, 2018-05-04 I believe there is

another good reason for this book I think it will provide some direction in this growing sometimes awkwardly growing field because it is a legitimate attempt to synthesize our knowledge on antiviral compounds at several levels of organization

including their modes of action and their activities both in animal infections and clinical medicine Selective Neurotoxicity

Hans Herken, Ferdinand Hucho, 2012-12-06 Following the overwhelmingly successful response to the first printing in

hardcover the hottest topics in Selective Neurotoxicity are now available in this special softcover edition Researchers are

provided with well grounded information on the cellular and subcellular targets of neurotoxins and their mode of action at

the level of ion channels receptors and neurotransmitters The use of bacterial toxins as a tool in neuroscientific research is

an important aspect in this context The chapters that interest clinicians as well deal with protective barriers in the peripheral

and central nervous system and metabolic disorders that cause neurotoxins to be built up in the human body The induction of

tumors by neurotropic carcinogens is included Metal Nanoparticles in Pharma Mahendra Rai, Ph.D, Ranjita Shegokar,

Ph.D, 2017-11-14 Completely dedicated to the biomedical applications of metal nanoparticles this book covers the different

toxicity problems found in healthcare situations and also provides comprehensive info on the use of metal nanoparticles in

treating various diseases Metal Nanoparticles in Pharma is the first edited volume to set up the discussion for a clinical

setting and to target a pharmaceutical audience of academic and industry based researchers *Environmental Health*

Perspectives ,2003-02 Cells, Membranes, and Disease, Including Renal E. Reid, G.M.W. Cooke, J.P. Luzio, 2012-12-06

Biomedical Index to PHS-supported Research: pt. A. Subject access A-H ,1992

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