DOWNLOAD PDF SMITH AND WILLIAMS INTRODUCTION TO THE PRINCIPLES OF DRUG DESIGN

Chapter 1 : - NLM Catalog Result

Using real-world examples that illustrate the principles of drug design, the author explores the discovery of lead compounds and their manipulation in the production of non-toxic, metabolically stable drug candidates that will interact with target receptors in a predicted fashion.

Includes bibliographical references and index. Processes of Drug Handling by the Body 2. The Design of Drug Delivery Systems 3. Design and Analysis 4. Intermolecular Forces and Molecular Modeling 5. Drug Chirality and its Pharmacological Consequences 6. From Programme Sanction to Clinical Trials: Design of Enzyme Inhibitors as Drugs Stabilisation of Peptide Drugs by Chemical Manipulation Human Genome and its Implications to Drug Design: Pharmacogenetics and Pharmacogenomics The Chemotherapy of Cancer Neurotransmitters, Agonists and Antagonist Design of Antimicrobial and Anti-fungal Agents Bio-inorganic Chemistry and its Pharmaceutical Applications. Kellaway Fundamental Pharmacokinetics, G. Steinmetzer Peptide Drug Design, D. A Tool for Drug Discovery, B. Rowell The Chemotherapy of Cancer, D. Thurston Neurotransmitters, Agonists, and Antagonists, R. This unique insight has revolutionized the process of drug development for specific disease states. The fourth edition of this popular textbook provides a thorough introduction to the principles of rational drug design, including both novel and established approaches. In addition to a comprehensive update of the previous edition, new advances in molecular techniques, biotechnological applications and computer-aided design have been added. Nielsen Book Data Advances in knowledge and technology have revolutionized the process of drug development, making it possible to design drugs for a given target or disease. Using real-world examples that illustrate the principles of drug design, the author explores the discovery of lead compounds and their manipulation in the production of non-toxic, metabolically stable drug candidates that will interact with target receptors in a predicted fashion. Fully updates and expands the contents; coverage of agonists and antagonists of neuro-transmitters; information on the design of stable peptide-like drugs; the human genome and its impact on drug discovery and development; and advances in therapy and pharmacokinetics. Adopting a from-the-bench-to-the-marketplace approach, the book provides a thorough grounding in rational drug design. It emphasizes principles and elucidates a framework for basic drug design into which current and, more importantly, future drugs will fit. Nielsen Book Data Subjects.

Chapter 2 : Smith and Williams' Introduction to the Principles of Drug Design and Action - CRC Press Book

Smith and Williams' Introduction to the Principles of Drug Design and Action - CRC Press Book Advances in knowledge and technology have revolutionized the process of drug development, making it possible to design drugs for a given target or disease.

Chapter 3 : Smith and Williams' introduction to the principles of drug design and action in SearchWorks cat

The third edition of this popular textbook builds on the excellent foundations laid down by the earlier editions. It provides a thorough introduction to the principles of rational drug design, adopting a 'from the bench to the market place' approach.