



## Medicinal Chemistry: A Molecular and Biochemical Approach (Paperback)

By Thomas Nogrady, Donald F. Weaver

Oxford University Press Inc, United States, 2005. Paperback. Condition: New. 3rd Revised edition. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Fully updated and rewritten by a basic scientist who is also a practising physician, the third edition of this popular textbook remains comprehensive, authoritative and readable. Taking a receptor-based, target-centered approach, it presents the concepts central to the study of drug action in a logical, mechanistic way grounded on molecular and biochemical principles. Students of pharmacy, chemistry and pharmacology, as well as researchers interested in a better understanding of drug design, will find this book an invaluable resource. Starting with an overview of basic principles, Medicinal Chemistry examines the properties of drug molecules, the characteristics of drug receptors, and the nature of drug-receptor interactions. Then it systematically examines the various families of receptors involved in human disease and drug design. The first three classes of receptors are related to endogenous molecules: neurotransmitters, hormones and immunomodulators. Next, receptors associated with cellular organelles (mitochondria, cell nucleus), endogenous macromolecules (membrane proteins, cytoplasmic enzymes) and exogenous pathogens (viruses, bacteria) are examined. Through this evaluation of receptors, all the main types of human disease and all major categories of drugs are considered....



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