New Developments in Medicinal Chemistry, Volume 1

www.ebooks.benthamscience.com/book/9781608051274

About the eBook

This book is recommended for readers who are interested in or work current theoretical and experimental research in medicinal chemistry, with an emphasis on computer aided-drug design and organic synthesis for therapeutic purposes. This book encompasses the multidisciplinary field of medicinal chemistry which overlaps the knowledge of chemistry, physics, biochemistry, biology and pharmacology.

Contents

- Current State-of-the-art for Quantum Mechanics-based Methods in Drug Design
- General Aspects of Molecular Interaction Fields in Drug Design
- 2D-QSAR: The Mathematics behind the Drug Design Methodology
- Rapid Development of Chiral Drugs in the Pharmaceutical Industry
- General Aspects of the Microwave-Assisted Drug Development
- Carbohydrates and Glycoproteins: Cellular Recognition and Drug Design