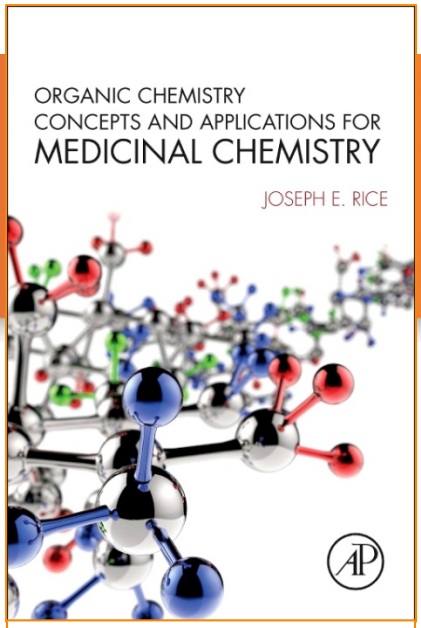

Organic Chemistry Concepts and Applications for Medicinal Chemistry

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This accessible primer reviews how organic molecules are put together, their 3D structure and properties, and the relationship between chemical structure and medicinal activity.

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AUDIENCE

Advanced students moving from organic chemistry to medicinal/pharmaceutical chemistry; exam takers in pharmacy, medicine, etc; professionals in chemistry and pharmaceutics who require review for practice

KEY FEATURES

- Focused approach to review those organic chemistry concepts that are most important for medicinal chemistry practice and understanding
- Accessible content to refresh the reader's knowledge of bonding, structure, functional groups, stereochemistry, and more
- Appropriate level of coverage for students in organic chemistry, medicinal chemistry, and related areas; individuals seeking content review for graduate and medical courses and exams; pharmaceutical patent attorneys; and chemists and scientists requiring a review of pertinent material

DESCRIPTION

Organic Chemistry Concepts and Applications for Medicinal Chemistry provides a valuable refresher for understanding the relationship between chemical bonding and those molecular properties that help to determine medicinal activity. This book explores the basic aspects of structural organic chemistry without going into the various classes of reactions. Two medicinal chemistry concepts are also introduced: partition coefficients and the nomenclature of cyclic and polycyclic ring systems that comprise a large number of drug molecules. Given the systematic name of a drug, the reader is guided through the process of drawing an accurate chemical structure. By emphasizing the relationship between structure and properties, this book gives readers the connections to more fully comprehend, retain, apply, and build upon their organic chemistry background in further chemistry study, practice, and exams.

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