Organic Chemistry: An Intermediate Text (Topics in Organic Chemistry)

By Hoffman, Robert V.

Oxford University Press, USA. Book Condition: New. Hardcover no dj. NEW. Organic Chemistry: An Intermediate Text provides a focused yet rigorous presentation of organic chemistry which bridges the gap between introductory undergraduate texts and advanced graduate level texts. Instead of a functional group approach, the material is presented from a structural and mechanistic point of view. The first five chapters discuss basic principles which are fundamental in understanding organic reactions and reactivity of all types. These principles include structure and bonding, oxidation levels, acidity and basicity, curved arrow notation, and stereochemistry and conformation. Subsequent topics are based on these fundamental principles and include functional group manipulation, strategies and methods for forming carbon-carbon bonds, and retrosynthetic analysis. Chapters on methods for determining reaction mechanisms and methods for organic structure determination round out the subject matter and provide additional insight into modern ways to investigate organic transformations. A large number of practice problems are included at the end of each chapter so that students may effectively learn and organize the information presented in the text. Clearly written and logically organized, this unique textbook provides senior undergraduate chemistry students and beginning graduate students with the advanced organic foundation necessary to move confidently into...

Reviews

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