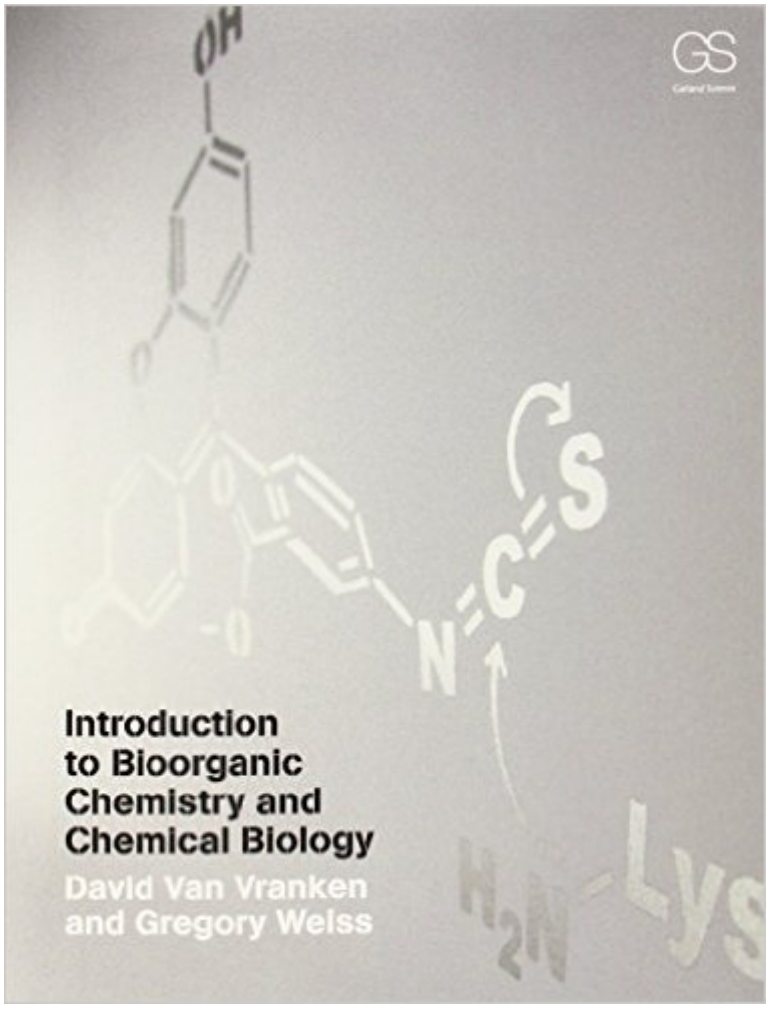
Introduction To Bioorganic Chemistry And Chemical Biology



Synopsis

Introduction to Bioorganic Chemistry and Chemical Biology is the first textbook to blend modern tools of organic chemistry with concepts of biology, physiology, and medicine. With a focus on human cell biology and a problems-driven approach, the text explains the combinatorial architecture of biooligomers (genes, DNA, RNA, proteins, glycans, lipids, and terpenes) as the molecular engine for life. Accentuated by rich illustrations andmechanistic arrow pushing, organic chemistry is used to illuminate the central dogma of molecular biology. Introduction to Bioorganic Chemistry and Chemical Biology is appropriate for advanced undergraduate and graduate students in chemistry and molecular biology, as well as those going into medicine and pharmaceutical science.

Book Information

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Customer Reviews

A challenging, but interesting, glimpse of biology from the organic chemistry perspective. I learned a lot from this book, more than from my biochemistry text. Useful for all students forced to learn biochemistry for med school.

great review of the chemical minutia present in biological systems and reactions. I actually learned a lot from this book.I especially enjoy the explanations for group transfers present in so many enzymatic functions.

The material covered in this book is not covered anywhere else. It is thorough and the illustrations

very impressive. Unfortunately, the writing is difficult to follow and I often find myself re-reading sections 4 to 5 times trying to grasp the informational points. It is my hope that the authors will rewrite their book with several ideas in mind:1. Motivate every section by stating exactly what the main point is and why it’s important.2. Write in a clearer and more concise style. A good editor of scientific writing would be invaluable.