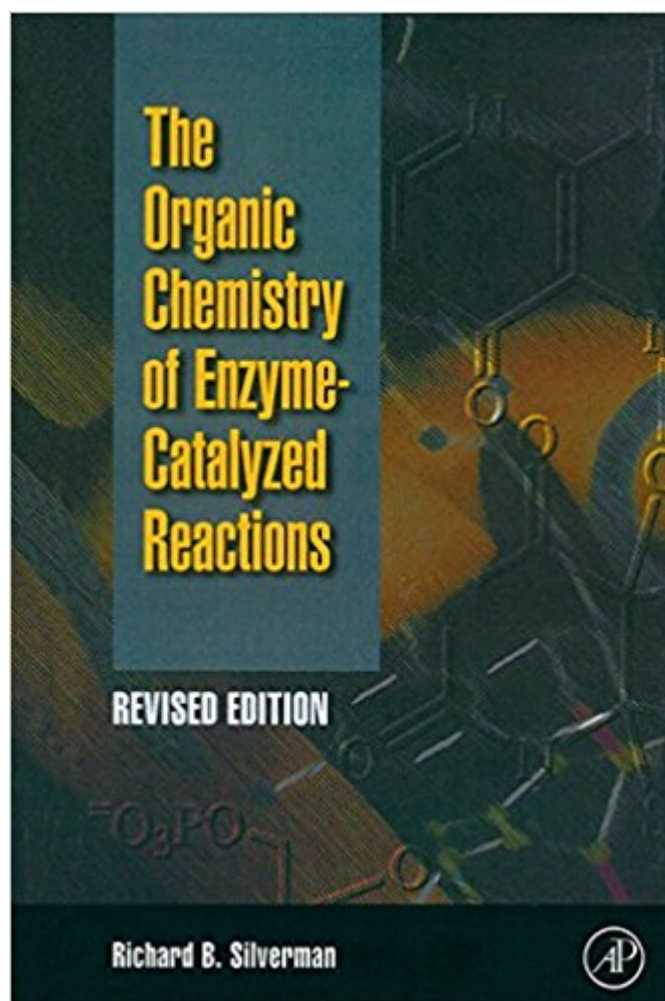




The book was found

Organic Chemistry Of Enzyme-Catalyzed Reactions, Revised Edition



Synopsis

The Organic Chemistry of Enzyme-Catalyzed Reactions is not a book on enzymes, but rather a book on the general mechanisms involved in chemical reactions involving enzymes. An enzyme is a protein molecule in a plant or animal that causes specific reactions without itself being permanently altered or destroyed. This is a revised edition of a very successful book, which appeals to both academic and industrial markets. Illustrates the organic mechanism associated with each enzyme-catalyzed reaction Makes the connection between organic reaction mechanisms and enzyme mechanisms Compiles the latest information about molecular mechanisms of enzyme reactions Accompanied by clearly drawn structures, schemes, and figures Includes an extensive bibliography on enzyme mechanisms covering the last 30 years Explains how enzymes can accelerate the rates of chemical reactions with high specificity Provides approaches to the design of inhibitors of enzyme-catalyzed reactions Categorizes the cofactors that are appropriate for catalyzing different classes of reactions Shows how chemical enzyme models are used for mechanistic studies Describes catalytic antibody design and mechanism Includes problem sets and solutions for each chapter Written in an informal and didactic style

Book Information

File Size: 13535 KB

Print Length: 800 pages

Publisher: Academic Press; 2 edition (March 7, 2002)

Publication Date: March 7, 2002

Sold by: Amazon Digital Services LLC

Language: English

ASIN: B008S8I8O6

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #1,340,775 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #20

in Kindle Store > Books > Science & Math > Chemistry > Organic > Reactions #250 in Kindle Store >

Kindle eBooks > Nonfiction > Science > Chemistry > Organic #294 in Kindle Store > Kindle

eBooks > Nonfiction > Science > Biological Sciences > Biochemistry

Customer Reviews

The index for this book For example, there are a fair number of examples of the epoxidation reaction, but not a single pointer toward that in the index of the book. And much the same thing for other types of reactions. It would also be nice if there was a more clear transfer between basic organic principles and then biological applications. He does do a good job showing this in some cases (i.e., the benzoin condensation), but a few more parallel examples would have been very useful.

Brilliant book, both for understanding the fundamentals and for scientists working on a problem... If you want a quick glance for solutions to problems at hand without having to dig through literature which, at times, can get unwieldy, this is the book... you will definitely enjoy the book, no matter what stage of your career you are at...

Are you an aspiring chemist or biochemist wasting your 20's studying the chemical reactions involved in a biological pathway? If so, buy this book. Alright, >\$100 is a lot of money for a grad student or postdoc, but seriously you won't mind eating cup-o-noodle for an entire month once you begin to absorb the knowledge from this book. Tasty, tasty knowledge. It's full of figures, great references, and is easy to read. This book is never on my shelf, it has a permanent home next to my computer. I use it that often.

This book is an excellent resource for undergraduate and graduate students studying enzyme chemistry and organic mechanisms. Prof. Silverman does a fine job of giving many different examples of enzyme mechanisms. By not focusing totally on one kind of enzyme or catalysis, he succeeds in painting a broad picture for the reader, while not sacrificing content. The only drawback to this edition is the large amount of typographical errors that appear throughout. Perhaps better editing is in order for future editions.

[Download to continue reading...](#)

Organic Chemistry of Enzyme-Catalyzed Reactions, Revised Edition, Second Edition Organic Chemistry of Enzyme-Catalyzed Reactions, Revised Edition The Organic Chemistry of Enzyme-Catalyzed Reactions Study Guide: Ace Organic Chemistry I - The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Simulating Enzyme Reactivity: Computational Methods in

Enzyme Catalysis (Theoretical and Computational Chemistry Series) Cycloaddition Reactions in Organic Synthesis, Volume 8 (Tetrahedron Organic Chemistry) Strategies for Palladium-Catalyzed Non-directed and Directed C-H Bond Functionalization (Latest Trends in Palladium Chemistry) Metal Catalyzed Reductive C-C Bond Formation: A Departure from Preformed Organometallic Reagents (Topics in Current Chemistry) ADVANCED ORGANIC CHEMISTRY REACTIONS MECHANISMS AND STRUCTURE FOURTH EDITION Experimental Organic Chemistry: A Miniscale & Microscale Approach (Cengage Learning Laboratory Series for Organic Chemistry) The Organic Chemistry of Drug Synthesis, Volume 3 (Organic Chemistry Series of Drug Synthesis) Organic Chemistry Reactions: An Overview (Quick Review Notes) Organic Chemistry Reactions (Quick Study Academic) Organic Chemistry Reactions (Quickstudy: Academic) March's Advanced Organic Chemistry: Reactions, Mechanisms, and Structure Organic Chemistry by Inquisition, 1. General Reactions Advanced Organic Chemistry: Reactions, Mechanisms, and Structure Foundations of Organic Chemistry: Unity and Diversity of Structures, Pathways, and Reactions Reactions and Syntheses: In the Organic Chemistry Laboratory CHEMISTRY 14D THINKBOOK (Organic Reactions and Pharmaceuticals)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)