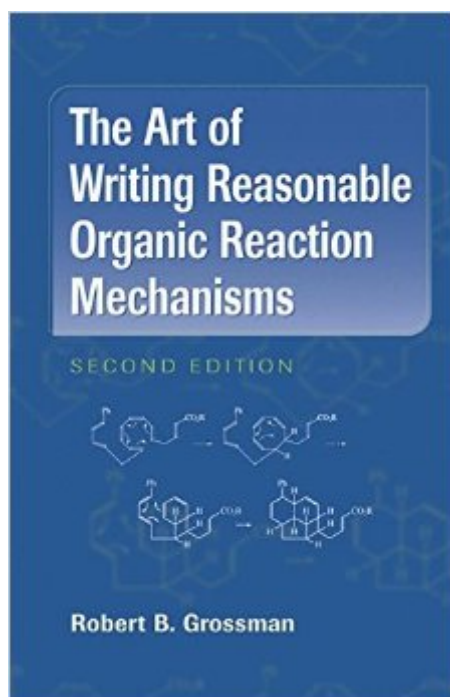


The book was found

The Art Of Writing Reasonable Organic Reaction Mechanisms



Synopsis

Intended for students of intermediate organic chemistry, this text shows how to write a reasonable mechanism for an organic chemical transformation. The discussion is organized by types of mechanisms and the conditions under which the reaction is executed, rather than by the overall reaction as is the case in most textbooks. Each chapter discusses common mechanistic pathways and suggests practical tips for drawing them. Worked problems are included in the discussion of each mechanism, and "common error alerts" are scattered throughout the text to warn readers about pitfalls and misconceptions that bedevil students. Each chapter is capped by a large problem set.

Book Information

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Customer Reviews

I am a first year graduate student at UC Davis currently enrolled in the Ph.D program in theoretical organic chemistry. I had always felt comfortable with reaction mechanisms in my undergraduate coursework, however upon entry into the graduate program at UC Davis, I felt immediately over my head! I felt light years behind my expected level of mastery, and in searching for help to stay afloat, this book was recommended to me by my research director. I found it to be exceedingly helpful, as it starts at the very basics and works its way to the extremely complicated by focusing on rational behind organic mechanisms rather than on simply memorizing trends. With great examples, and tons of practice problems (with the solutions available online for free!) Dr. Grossman's writing is lucid and clear, while not waisting time on filler material, this relatively short book (by text

standards!) provides a very clear and very in depth analysis of the various mechanism types as well as commonly seen organic activity. With the help of this well organized and clear book, I was able to overcome my feelings of being behind the curve and came to a very noticeable improvement on my ability to solve complex mechanisms from current publications that I had little to no experience with. After finishing this book I am confident in my abilities to elucidate reasonable mechanisms for chemistry's most complicated (current and past) reactions. This has culminated not only in an A in my class, but has given me an invaluable reference for my research. Also available is an interactive version of the practice problems with step by step hints and feedback, available through Dr. Grossman's site for a small fee. Dr.

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