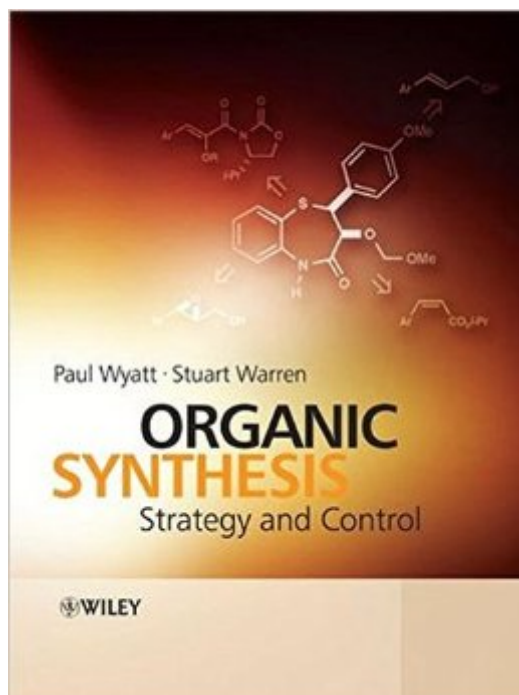


The book was found

Organic Synthesis: Strategy And Control



Synopsis

Organic Synthesis: Strategy and Control is the long-awaited sequel to Stuart Warren's bestseller Organic Synthesis: The Disconnection Approach, which looked at the planning behind the synthesis of compounds. This unique book now provides a comprehensive, practical account of the key concepts involved in synthesising compounds and focuses on putting the planning into practice. The two themes of the book are strategy and control: solving problems either by finding an alternative strategy or by controlling any established strategy to make it work. The book is divided into five sections that deal with selectivity, carbon-carbon single bonds, carbon-carbon double bonds, stereochemistry and functional group strategy. A comprehensive, practical account of the key concepts involved in synthesising compounds Takes a mechanistic approach, which explains reactions and gives guidelines on how reactions might behave in different situations Focuses on reactions that really work rather than those with limited application Contains extensive, up-to-date references in each chapter Students and professional chemists familiar with Organic Synthesis: The Disconnection Approach will enjoy the leap into a book designed for chemists at the coalface of organic synthesis.

Book Information

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Customer Reviews

I am a graduate student and have invested in a number of textbooks dealing with this topic. While there are a number of more comprehensive books for literature references, such as March's book or Smith's 'Organic Synthesis,' Warren's books should have great appeal to student's trying to learn

this subject. I originally came across his 1984 book "The Disconnection Approach" and was impressed by how engaging it was and how clearly the logic progressed from one chapter to the next. That book was recently rereleased as an updated edition, where Paul Wyatt appeared as coauthor, in January of 2009. It serves as an excellent bridge between undergraduate education and problems faced by real practitioners, as it identifies many problems of selectivity that are either overlooked - or simply too advanced to address - at the (American) undergraduate level. "The Disconnection Approach" identifies many of the fundamental problems faced by practitioners, but by and large does not stray from the complement of reactions learned at the undergraduate level, which is why I describe it as a "bridge" book. It leaves out many of the modern methods practitioners would use to solve synthetic problems. "Strategy and Control" addresses those modern methods in the context of the specific problems that they resolve. Warren and Wyatt's book may only have 40-50 references a chapter, compared to the hundreds for March's and Smith's, but this is a calculated move on their part, and what is lost in breadth is easily regained in clarity. This serves to fill a rather overlooked niche in textbooks for upper level courses - teaching! What you will not find in this book are lists of 30-40 different ways to do a Pauson-Khand reaction, a Witting reaction, a Claisen rearrangement, etc.

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