

Organic Synthesis: Strategy and Control

By Paul Wyatt, Stuart Warren

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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.

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Editorial Review

Review
This is a book which will change the way you think about making molecules. (*Chemistry World*, July 2008)

The authors can be commended on producing a really useful and enjoyable new book on Organic Synthesis. (*Reviews*, June 2008)

"The authors have spent approximately ten years putting this excellent book together, and their hard work has paid off." (*Journal of Chemical Education*, May 2008)

"Of interest to the experienced practitioner looking to broaden (or reawaken) awareness of the remarkable diversity of available synthetic transformations"(*Journal of Medicinal Chemistry*, 2008)

From the Back Cover
Organic Synthesis: Strategy and Control is a sequel to Stuart Warren's bestseller *Organic Synthesis: The Disconnection Approach*. The 'Disconnection' book concentrated on the planning behind the synthesis of compounds.

The two themes of this new 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. Interpenetrating this structure, the 36 chapters start with classic methods and progress to modern methods and modern strategic considerations. Heterocyclic chemistry is treated throughout the book with full mechanistic explanations as part of organic chemistry rather than a separate mystery.

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About the Author
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