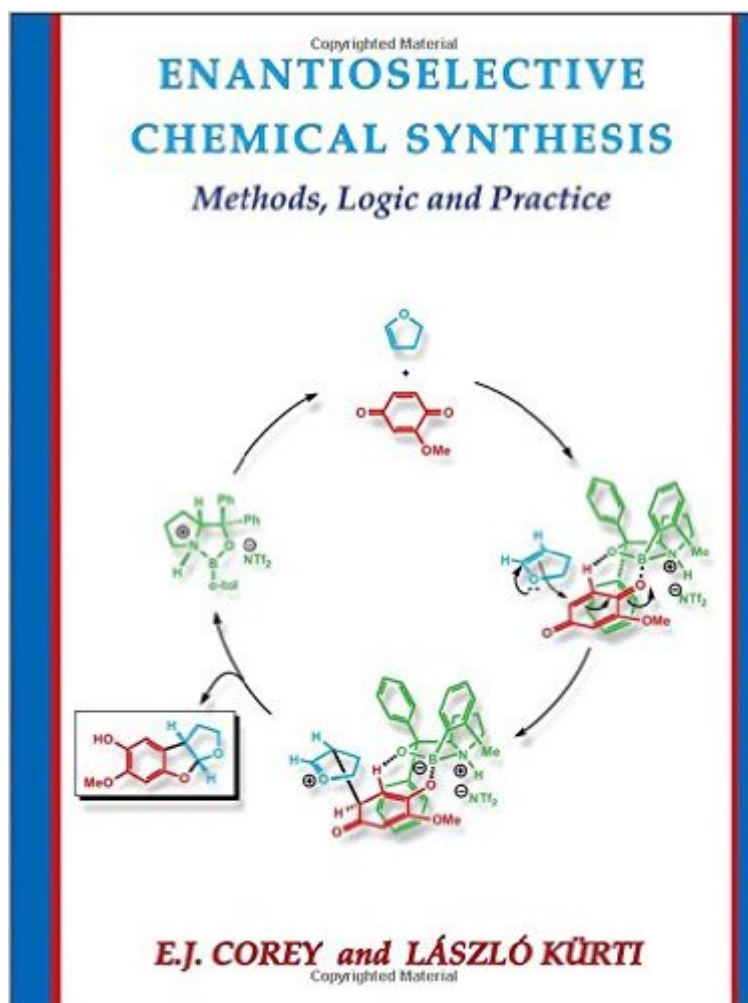


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# Enantioselective Chemical Synthesis: Methods, Logic, And Practice



## Synopsis

Written by world-renowned and best-selling experts, Nobel Laureate E. J. Corey and Laszlo Kurti, *Enantioselective Chemical Synthesis* offers an authoritative and comprehensive overview of the field's progress; the processes and tools for key formations; future development for complex, stereocontrolled (enantiomeric or diastereoisomeric) molecules; and valuable examples of multi-step syntheses. Utilizing a color-coded scheme to illustrate chemical transformations, *Enantioselective Chemical Synthesis* provides clear explanation and guidance through vital asymmetrical syntheses and insight into the next steps for the field. Researchers, professionals, and academics will benefit from this valuable, thorough, and unique resource. In Part I, the authors present clearly, comprehensively and concisely the most useful enantioselective processes available to synthetic chemists. Part II provides an extensive discussion of the most logical ways to apply these new enantioselective methods to the planning of syntheses of stereochemically complex molecules. This hitherto neglected area is essential for the advancement of enantioselective synthesis to a more rational and powerful level. Part III describes in detail many reaction sequences which have been used successfully for the construction of a wide variety of complex target molecules. Clearly explains stereochemical synthesis in theory and practice. Provides a handy tool box for scientists wishing to understand and apply chiral chemical synthesis. Describes almost 50 real life examples of asymmetric synthesis in practice and examines how the chiral centers were introduced at key synthetic stages.

## Book Information

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## Customer Reviews

It's an excellent book for those who want to quickly find all the relevant information about various areas of asymmetric catalysis. The book presents a plethora of reactions and methods in a concise and comprehensive manner. The first part deals with various types of useful asymmetric reactions. In the second part the authors discuss the use of asymmetric reactions in total synthesis. The authors (who, by the way, hardly need an introduction) use a convenient color scheme for all reaction diagrams and the figures are neat and well-detailed. The book itself is of very high quality and will not fall apart even if you use it frequently. It is also very moderately priced for a book of such quality and scope.

useful book for chemists working on stereoselective synthesis

Good!!

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