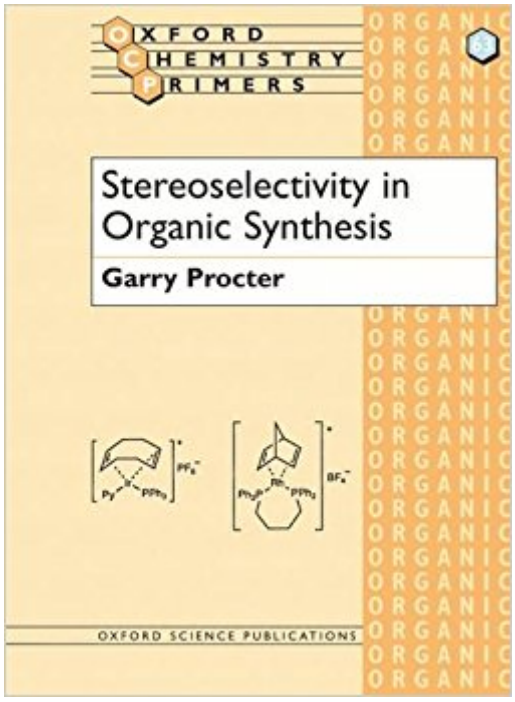
Stereoselectivity In Organic Synthesis (Oxford Chemistry Primers)



Synopsis

This clear and concise text is concerned with the reactions used in stereoselective organic synthesis. It sets out to consider the general principles upon which such reactions are founded, especially stereoelectronic effects, and how these are applied to a wide range of stereospecific and stereoselective organic reactions used in organic synthesis today. The general topics covered include: reactions of carbonyl compounds, aldol reactions, additions to C-C double bonds, oxidation and reduction, rearrangements, and enzyme catalysed hydrolysis. Reactions whose stereoselectivity is either substrate controlled, reagent controlled or controlled by a catalyst are covered, and where appropriate, examples of their application in organic synthesis are provided. Fully illustrated throughout, with set problems and suggestions for further reading to accompany each chapter, this informative text will be an invaluable study aid for all undergraduate chemistry students. Undergraduates in related subjects studying chemistry to second year level or higher will also find this book useful.

Book Information

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A good book for undergraduate students

Stereoselectivity in Organic Synthesis (Oxford Chemistry Primers) 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) The Organic Chemistry of Drug Synthesis, Volume 3 (Organic Chemistry Series of Drug Synthesis) Handbook of Reagents for Organic Synthesis: Reagents for Heteroarene Synthesis (Hdbk of Reagents for Organic Synthesis) Organic Synthesis: The Roles of Boron and Silicon (Oxford Chemistry Primers) Oxidation and Reduction in Organic Synthesis (Oxford Chemistry Primers) Foundations of Organic Chemistry (Oxford Chemistry Primers) Organometallic Reagents in Synthesis (Oxford Chemistry Primers) Amino Acid and Peptide Synthesis (Oxford Chemistry Primers) Stereoselectivity in Synthesis Introduction to Organic Spectroscopy (Oxford Chemistry Primers) Advanced Organic Chemistry: Part B: Reaction and Synthesis: Reaction and Synthesis Pt. B NMR Spectroscopy in Inorganic Chemistry (Oxford Chemistry Primers) Supramolecular Chemistry (Oxford Chemistry Primers) d-Block Chemistry (Oxford Chemistry Primers) Biocoordination Chemistry (Oxford Chemistry Primers) Coordination Chemistry of Macrocyclic Compounds (Oxford Chemistry Primers) Applied Organometallic Chemistry and Catalysis (Oxford Chemistry Primers) Radical Chemistry: The Fundamentals (Oxford Chemistry Primers) Protecting Group Chemistry (Oxford Chemistry Primers)