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Organic Functional Group Preparations, Second Edition: Volume 1



Synopsis

Organic Chemistry, Second Edition, Volume I: Organic Functional Group Preparations provides a convenient and useful source of reliable preparative procedures for the most common functional groups. This book discusses the preparations of each group that are subdivided into different reaction types, including elimination, condensation, and oxidation and reduction reactions. Organized into 21 chapters, this edition begins with an overview of the reduction methods that allow the preparation of hydrocarbon of known structure. This text then explores the acid-catalyzed thermal elimination of water from alcohols, which is a common laboratory method for the preparation of olefins. Other chapters consider the two most significant synthetic methods for introducing an acetylenic group into the molecule, which involve the elimination of hydrogen halides. This book discusses as well the importance of oxidation reactions. The final chapter deals with sulfonation reactions. This book is a valuable resource for organic chemists and research workers.

Book Information

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Customer Reviews

...this volume is well produced and contains a wealth of information that makes it a useful reference work for the practising organic chemist.--CANADIAN CHEMICAL NEWS...a useful work that will probably pay for itself in saved time. The experimental details described for representative preparations are particularly useful.--JOURNAL OF THE AMERICAN CHEMICAL SOCIETY This book is a useful addition to the reference literature of synthetic organic chemistry. Its particular

valuelies in its systematic approach to some rather unusual classes of compounds, which tend to be treated rather briefly elsewhere. --Electron Microscopy Review

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