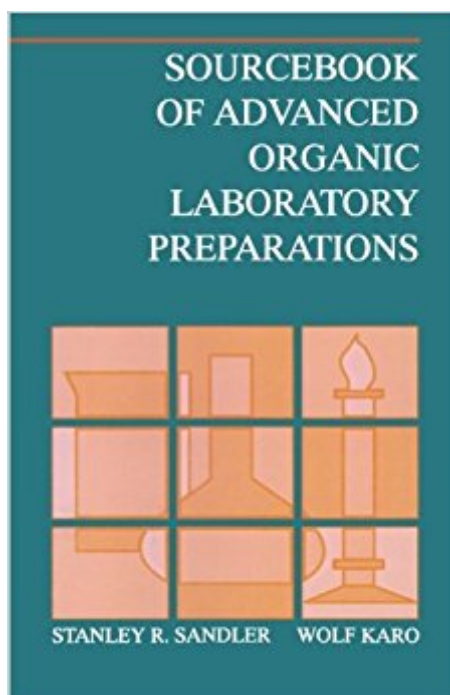


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# Sourcebook Of Advanced Organic Laboratory Preparations



## Synopsis

In the case of students, this laboratory preparations manual can be used to find additional experiments to illustrate concepts in synthesis and to augment existing laboratory texts. A name reaction index is also included to direct the reader to the location where specific reactions appear in this manual. The industrial chemist is frequently required to prepare a variety of compounds, and this manual can serve as a convenient guide to choose a synthetic route. Offers detailed directions for the synthesis of various functional groups. Includes up-to-date references to the journal literature and patents (foreign and domestic). Reviews the chemistry for each functional group with suggestions where additional research is needed. Name reactions are indexed along with the preparations cited.

## Book Information

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## Customer Reviews

This Sourcebook of Advanced Organic Laboratory Preparations provides a ready source of reliable procedures for those involved in organic synthesis in either academic or industrial laboratories. The text will be useful to instructors and students seeking additional reliable organic or polymer preparations. The introductory material in each chapter gives a brief synopsis of a given functional group or class of compounds. The industrial chemist, who is frequently required to prepare a variety of compounds, will also appreciate this convenient source of procedures, tables, and polymer preparations as a guide to choosing a synthetic route.

Dr. Stanley R. Sandler won the R&D 100 Award offered by the industry in 1990 for a significant commercial process to prepare an important organic intermediate. In addition to this honor, he has over 100 publications involving patents, books, an encyclopedia article, several journal articles, and he is currently a referee for several journals. Sandler received his Ph.D. in Organic Chemistry from Penn State University. Wolf Karo was a winner of the Westinghouse Science Talent Search. He holds a number of patents, and has been active in developing applications of monodispersed microspheres in diagnostic testing and other areas of biotechnology. Karo received his Ph.D. in Organic Chemistry from Cornell University.

This book is an invaluable and convenient source for industrial chemists in organic synthesis. The book dedicates a brief yet informative summary to the synthetic methods for each functional group including polymers. References were given for more details. An organic chemist would add a great deal to his or her toolbox by familiarizing with these reactions. The book also gives specific examples of synthetic reactions with reliable procedures. A total of 177 reactions are made available with great details. Some nature of process chemistry is reflected by the multi-gram / kilogram scales and no-chromatography purifications. The appendix addresses the critical issue of documentation in industrial R&D laboratories. Graduate students may benefit from this book in both organic chemistry and preparation for industrial chemistry.

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