



Organic Syntheses Based on Name Reactions and Unnamed Reactions, Volume 11 (Tetrahedron Organic Chemistry)

By Alfred Hassner, C Stumer

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Synthetically useful organic reactions or reagents are often referred to by the name of the discoverer(s) or developer(s). *Older name reactions* are described in text books, but more recently developed synthetically useful reactions that may have been associated occasionally with a name are not always well known. For neither of the above are experimental procedures or references easy to find.

In this monograph approximately 500 name reactions are included, of which over 200 represent newer name reactions and modern reagents. Each of these reactions are extremely useful for the contemporary organic chemistry researcher in industry or academic institutions. This book provides the information in an easily accessible form.

In addition to seminal references and reviews, one or more examples for each name reaction are provided and a complete typical experimental procedure is included, to enable the student or researcher to immediately evaluate reaction conditions.

Besides an alphabetical listing of reactions and reagents, cross references permit the organic practitioner to find those name reactions or reagents that enable specific transformations, such as, conversion of amines to nitriles, stereoselective reduction, fluoroalkylation, phenol alkynylation, asymmetric syntheses, allylic alkylation, nucleoside synthesis, cyclopentanation, hydrozirconation, to name a few. Emphasis has been placed on stereoselective and regioselective transformations as well as on enantioselective processes. The listing of reactions and reagents is supported by four indexes.

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- Sales Rank: #4270454 in Books
- Published on: 1994-08-05
- Original language: English
- Number of items: 1
- Dimensions: 10.00" h x 7.00" w x .75" l,
- Binding: Paperback
- 462 pages



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Editorial Review

Review

Alan Grieve

Any synthetic chemist who has ever wished for a book which lists a whole realm of reactions might just find what they're looking for in Organic Syntheses Based on Name Reactions and Unnamed Reactions...this is a comprehensive reference book which lists a wide range of chemical reactions (more than 450) in a simple and easily accessible form... The feature which makes this book most usable, however, is the indexing. There is a straightforward names index, a reagents index, a reactions index and, perhaps most desirable of all, a transformation index. In conclusion, the authors have put together a well organised and extensive book which may be useful to any student or researcher for whom organic synthesis is an integral part of their work.

Chemistry & Industry

D.M. Hodgson

In summary, the book is a reference text which provides clear and swift answers to the often-asked question 'to what reaction does that name refer?' Advanced undergraduate and postgraduate students should find it particularly useful. It should be an essential acquisition for libraries and is strongly recommended for research groups engaged in organic synthesis. Its price, good value in soft-cover version, also puts it within reach for individual purchase by the dedicated research chemist.

Synthesis

Ciro J. Spagnuolo

In addition, the authors include some experimental details of the specific reaction example listed. This unique feature is very useful for the synthetic practitioner who may require experimental information on a given transformation for planning purposes... This book is highly recommended to anyone involved in organic synthesis and is a requisite addition to all chemistry libraries.

Journal of Medicinal Chemistry

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This Organic Syntheses Based on Name Reactions and Unnamed Reactions, Volume 11 (Tetrahedron Organic Chemistry) tend to be reliable for you who want to become a successful person, why. The explanation of this Organic Syntheses Based on Name Reactions and Unnamed Reactions, Volume 11 (Tetrahedron Organic Chemistry) can be on the list of great books you must have is definitely giving you more than just simple reading through food but feed you with information that maybe will shock your earlier knowledge. This book is actually handy, you can bring it all over the place and whenever your conditions both in e-book and printed ones. Beside that this Organic Syntheses Based on Name Reactions and Unnamed Reactions, Volume 11 (Tetrahedron Organic Chemistry) giving you an enormous of experience including rich vocabulary, giving you trial of critical thinking that we know it useful in your day pastime. So , let's have it and revel in reading.

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