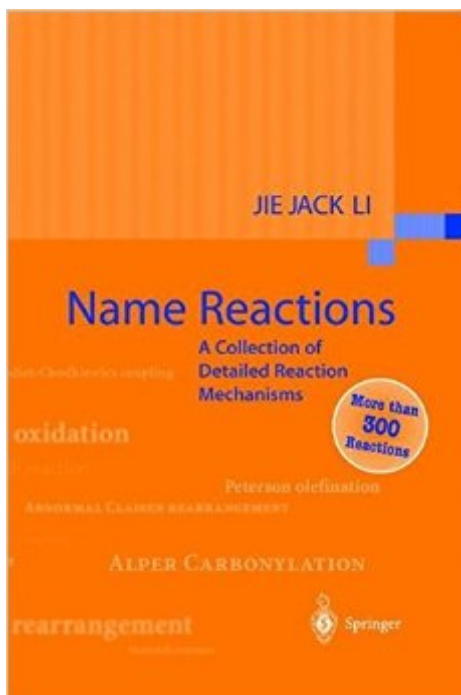


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Name Reactions: A Collection Of Detailed Reaction Mechanisms



Synopsis

This book differs from others on name reactions in organic chemistry by focusing on their mechanisms. It covers over 300 classical as well as contemporary name reactions. Biographical sketches for the chemists who discovered or developed those name reactions have been included. Each reaction is delineated by its detailed step-by-step, electron-pushing mechanism, supplemented with the original and the latest references, especially review articles. This book contains major improvements over the previous edition and the subject index is significantly expanded.

Book Information

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Customer Reviews

This book is a must for any undergrad, graduate student or for that matter, CHEMIST, at any level who is interested in Name Reactions. It contains 331 name reactions that range from classic organic chemistry to modern day organic chemistry. An excellent collection of important name reactions that is in an easy to read format. Each reaction contains a brief summary, a general reaction scheme and a detailed arrow pushing mechanism. I really like this book because of its contents and simplicity. Its very easy to find the reaction you are looking for and the information is complete. It would be very helpful in studying for advance organic chemistry exams or as a quick reference when you do not know a particular named reaction. The index is about average for this type of book; however, this book is based on the fact that you are looking up named reactions and not using it as a functional group conversion reference. After all is said and done, I can truly say that I am glad I purchased this book. It is a complete summary of named reactions and I look forward to using it in

the years to come.Thanks

Dr. Li's Name Reactions is a very good but basic name reactions book. It covers the reaction mechanics but does not offer the background information and comprehensive literature references of Laszlo Kurti's and Barbara Czako's Strategic Applications of Named Reactions in Organic Synthesis. It is also much sparser and limited than Name Reactions and Reagents in Organic Synthesis, which includes examples of the use of the named reactions and also the use and mechanisms of named reagents. Li's book is very good but is limited in comparison to the competitors. It is not a bad book but does not offer the value and utility of the other books named in this review.

Dr. Li has done a great job with this book.....A few mechanisms such as Wildergrödt Reaction leaves out critical steps....but as the entire work is considered...I would say that it is a classic! Kudos, Dr. Li.

The third edition is more complete. The mechanism for the Wittig should be noted that it is under debate whether the formation of the oxaphosphatane is concerted or step-wise. Otherwise a good quick reference. For a more in-depth review of Named reactions, see Strategic Applications of Named Reactions in Organic Synthesis. [...]. Too bad that book has not been updated in a while.

This book is fantastic! It has a complete set of every important named reaction with its respective mechanism and literature references. The simple layout makes this book very user friendly. The mechanisms are easy to follow and the references are very useful making this book excellent for use at any level from undergraduate to graduate and beyond. This book is a definite must have for anyone studying advanced organic chemistry, as it is the named reactions bible.

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