



Name Reactions: A Collection of Detailed Mechanisms and Synthetic Applications Fifth Edition

By Jie Jack Li

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In this fifth edition of Jack Jie Li's seminal "Name Reactions", the author has added twenty-seven new name reactions to reflect the recent advances in organic chemistry. As in previous editions, each reaction is delineated by its detailed step-by-step, electron-pushing mechanism and supplemented with the original and the latest references, especially from review articles. Now with addition of many synthetic applications, this book is not only an indispensable resource for advanced undergraduate and graduate students, but is also a good reference book for all organic chemists in both industry and academia.

Unlike other books on name reactions in organic chemistry, Name Reactions, A Collection of Detailed Reaction Mechanisms and Synthetic Applications focuses on the reaction mechanisms. It covers over 320 classical as well as contemporary name reactions.

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Editorial Review

Review

From the book reviews:

“Li (Univ. of San Francisco; formerly, Pfizer and Bristol-Myers Squibb) continues to update and improve his series on named organic chemical reactions with this fifth edition The book illustrates the stepwise mechanisms of each reaction, making it an excellent teaching tool for undergraduates. Academic libraries supporting organic chemistry programs as well as professional organic chemists will want to own this book. . . . Summing Up: Recommended. Lower-division undergraduates through professionals/practitioners.” (R. E. Bunrock, *Choice*, Vol. 52 (3), November, 2014)

From the Back Cover

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About the Author

Jie Jack Li earned his Ph.D. in organic chemistry in 1995 at Indiana University. After a stint as a postdoctoral fellow MIT, he worked as a medicinal chemist at Pfizer and Bristol-Myers Squibb from 1997 to 2012. He is now an Associate Professor of Chemistry at the University of San Francisco teaching organic and medicinal chemistry. He has published 17 books ranging from organic chemistry, medicinal chemistry to the history of drug discovery. Most recent books include: *Total Synthesis of Natural Products: At the Frontiers of Organic Chemistry* (2013, Springer) with E.J. Corey; *Drug Discovery: Practices, Processes, and Perspectives*, (2013, Wiley) with E.J. Corey; *Modern Drug Synthesis* (2010, Wiley), with Doug Johnson; and *Triumph of the Heart-the Story of Statins* (2009, Oxford University Press).

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