

Name Reactions and Reagents in Organic Synthesis

By Bradford P. Mundy, Michael G. Ellerd, Frank G. Favaloro Jr.

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This Second Edition is the premier name resource in the field. It provides a handy resource for navigating the web of named reactions and reagents. Reactions and reagents are listed alphabetically, followed by relevant mechanisms, experimental data (including yields where available), and references to the primary literature. The text also includes three indices based on reagents and reactions, starting materials, and desired products. Organic chemistry professors, graduate students, and undergraduates, as well as chemists working in industrial, government, and other laboratories, will all find this book to be an invaluable reference.

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Review
"The number and range of reactions covered makes the book a valuable resource for readers ranging from beginning graduate students to professionals wrestling with real problems." (*Molecular Crystals & Liquid Crystals*, Volume 457, 2006)

"The breath of coverage extends well beyond the confines of a typical undergraduate-beginning graduate organic chemistry course...a launching point to a vast array of named chemical reactions." (*Journal of Chemical Education*, December 2005)

"Users of this well-known collection of organic name reactions will appreciate this updated edition...this comprehensive book contains a wealth of information...highly recommended." (*CHOICE*, November 2005)

"...compiles and organizes the most significant organic synthesis advances to date...belongs in all academic and research environments engaged in organic chemistry." (*Journal of Medicinal Chemistry*, September 22, 2005)

"…excellent value for the money…will play a significant role as a reference work in the academic and professional realm." (*Organische Chemie*, 6th September 2005)

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"I found the volume extremely useful and recommend it without reservation to all organic chemists, particularly those whose work includes synthesis design." (*Synthesis*, April 2006)

From the Publisher
Current indexing schemes do not list reactions and reagents as commonly as they used to. This volume is an up-to-date and concise compilation of the most commonly used and widely known name reactions and reagents in modern synthetic organic chemistry. Reactions are listed alphabetically, each listing providing either an accepted or proposed mechanism, secondary information, and four to five referenced examples. Reactions are cross-referenced to Jerry March's Advanced Organic Chemistry. The second section lists reagents alphabetically, each entry giving structure, physical properties, major uses, preparation and commercial availability, necessary precautions, secondary information, and four to five referenced examples. Reagents are cross-referenced to the Fieser & Fieser series, Reagents for Organic Synthesis, through volume 12.

From the Back Cover
An invaluable resource for navigating the world of name reactions and reagents

Current indexing schemes do not list reactions and reagents as commonly as they used to. Name Reactions and Reagents in Organic Synthesis, Second Edition provides an up-to-date, concise compilation of the most commonly used and widely known name reactions and reagents in modern synthetic organic chemistry.

Reactions are listed alphabetically, followed by relevant mechanisms, experimental data (including yields,

where available), and references to the primary literature. Cross-referenced to March's Advanced Organic Chemistry and Fiesers' Reagents for Organic Synthesis (both from Wiley), this updated Second Edition also includes three easily searchable indices based on reagents and reactions, starting materials, and desired products.

Armed with this invaluable resource, both students and professionals will have at their fingertips a comprehensive guide to important mechanisms and phenomena in organic chemistry.

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