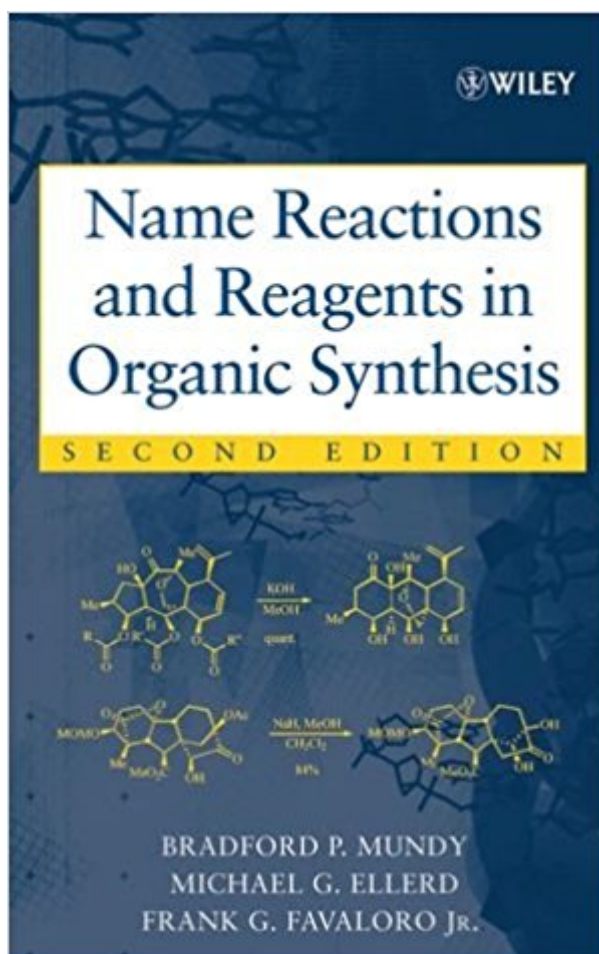


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# Name Reactions And Reagents In Organic Synthesis



## Synopsis

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.

## Book Information

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## Customer Reviews

"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. It will play a significant role as a reference work in the academic and professional realm. (Organische Chemie, 6th September 2005) "A homerun in the now competitive arena of named reactions texts." (Journal of Natural Products, August 2005) "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)

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. --This text refers to an out of print or unavailable edition of this title.

good.

i will purchase it from you next time. for myself, just fine, Nice and valuable. Got this product as a Father's Day gift. He loves the product. For its price, it is excellent quality. A very good looking tool too. In addition, the customer service was excellent. I certainly would recommend it!

Tetris move over Mundy's got a new game. How do you make science fun? You make a game of it. This is exactly what we do in our lab, we use this book as a game. We open up to a random page to see if there is an error, and most times (the guy shouting behind is saying every time) we are not dissapointed. This book is useful in that it has contemporary examples, where March does not, however, the number of errors makes this book useless for somebody who is trying to learn the material for the first time. Zero stars for accuracy, five stars for entertainment. Here is the Gauntlet!!! Page 425 (meta photoaddition) TL 44 2011. product- wrong structure Page 365 (Knoevenagel condensation) TL, 45, 3999. Ugi-Knoevenagel Rxn starting material aniline derivative does not have a NITROGEN. Page 428 (Michael addition) JACS, 125, 15837. Not a Dicobalt product. It is a ester. Page 429 Robinson annulation Not a Michael addition Page 487

(pauson-khand)OL, 5,3491. SM is an allene so the product is missing an alkene in the seven membered ring. Page 176 (Corey-Fuchs reaction) Seyferth protocol: resonance structures are wrong. They are missing a hydrogen atom. Thus the rest of the mechanism is wrong. Page 235 (Evans chiral Auxillaries) Typos of Me and Et Page 44 (Arndt-Eistert homologation) It is supposed to be a carbene so why is there two lone pairs. The Kowalski Ester Homologation: Should be  $\text{LiCHBr}_2$  not  $\text{LiCHBR}_2$  and after the rxn arrow the addition component should be  $\text{CHBr}_2$  addition not  $\text{CH}_2\text{Br}$ . Page 459 (Nenitzescu indole synthesis) If it is a indole synthesis they all should have indole products. One product is drawn as an indene. Also in the solid phase example the intermediate is wrong. The solid phase linker is connected to the amide not the aromatic ring. Page 47 (Aza-cope) It's supposed to be formic acid quenching the rxn not peroxyformic acid. Page 445 (Myers-Saito cyclization) JACS 118, 10783. Starting material has 17 carbons - product has 18 carbons. One of them is wrong. peacecraig stamp

Mundy's book is very useful. It does list the many name reactions and their mechanisms. It has more examples of the use of those reactions and literature citations than Jie Jack Li's *Name Reactions: A Collection of Detailed Reaction Mechanisms*. However, it is very limited and not very detailed when compared to Kurti's and Czako's *Strategic Applications of Named Reactions in Organic Synthesis*, in my opinion, the best book of this kind available. However, there is one factor that keeps Mundy's book close to my hands: the name reagents section. In this section, the name reagents are shown with common names and the reactions that are most associated with those reagents. The mechanisms for those reactions is also shown. I find this is very useful. If you intend to buy only name reactions book, I can't recommend this one be it. But, if you intend to get two, I think this one will find its uses.

I am amazed that so many years have passed from the first edition of this book to this one and the authors have not even added new name reactions or expanded the book more. Even the structures are not even depicted using ChemDraw! wow! I am glad I did not spend money on this edition. Get other books instead, even Jie Jack Li's book is better, but the one by Laszlo/Kurti "Strategic applications of name reactions" is way better!

best service. For the affordable price, has a fine sharpness and durability to it! low price. give my parents , good seller.

March's book is a tome, so I'm not sure how you could not use most of the same kinds of reactions that March uses. March's book is comprehensive, but Mundy and Ellerd's book is not bad because it is not comprehensive. It is what it says it is- a compilation of name reactions. It doesn't go into as much detail as March does, but it puts the name reactions in a nice format, and that's just fine and dandy if that's how you're trying to go about things. They put the name reactions in alphabetical order, give a generic reaction, a mechanism, and many examples of that kind of reaction.

When I wrote an editorial review for Mundy's book I really thought it was the best one on the market. At about the same time "Strategic Applications of named reactions in organic synthesis" by Kurti and Czako (forward by Corey and Intro by Nicolaou) came out, and that book is AWESOME. Go check it out. We even use it as a text book in upper division organic synthesis courses.

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Handbook of Reagents for Organic Synthesis: Reagents for Heteroarene Synthesis (Hdbk of Reagents for Organic Synthesis) Name Reactions and Reagents in Organic Synthesis Acidic and Basic Reagents , Handbook of Reagents for Organic Synthesis Cycloaddition Reactions in Organic Synthesis, Volume 8 (Tetrahedron Organic Chemistry) Oxidizing and Reducing Agents, Handbook of Reagents for Organic Synthesis Fieser and Fieser's Reagents for Organic Synthesis, Volume 10 Essential Reagents for Organic Synthesis Reagents for Organic Synthesis Volume 2, Fiesers' Reagents for Organic Synthesis Volume 3, Fiesers' Reagents for Organic Synthesis Fiesers' Reagents for Organic Synthesis, Collective Index for Volumes 1 - 22 The Organic Chemistry of Drug Synthesis, Volume 3 (Organic Chemistry Series of Drug Synthesis) Strategic Applications of Named Reactions in Organic Synthesis Multicomponent Reactions in Organic Synthesis Click Reactions in Organic Synthesis Study Guide: Ace Organic Chemistry I - The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Name Reactions in Organic Chemistry Organometallic Reagents in Synthesis (Oxford Chemistry Primers) Advanced Organic Chemistry: Part B: Reaction and Synthesis: Reaction and Synthesis Pt. B CRC Handbook of Organic Analytical Reagents, Second Edition

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