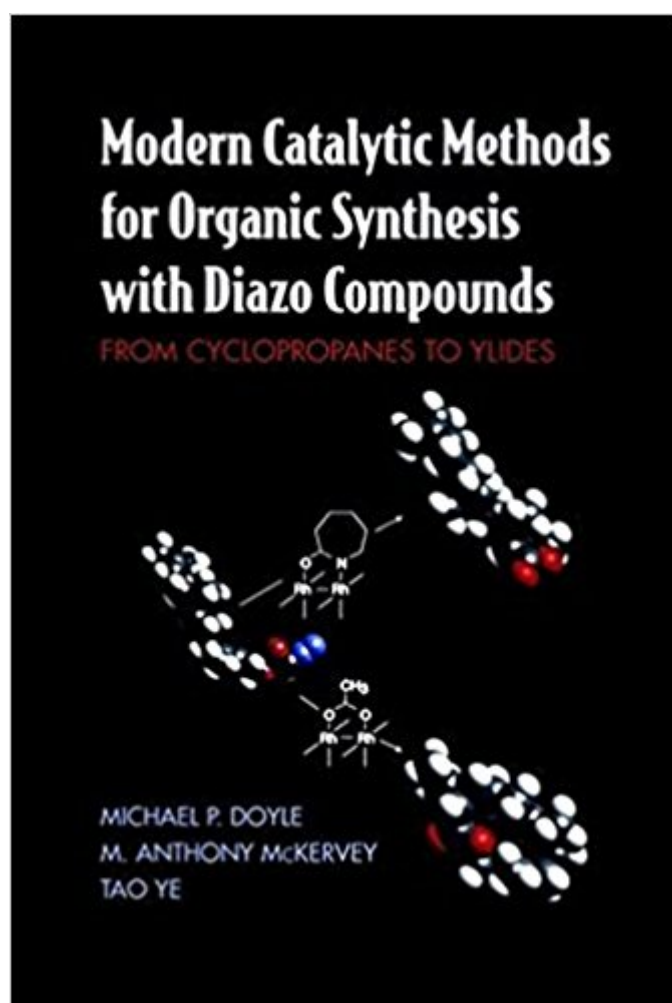


The book was found

Modern Catalytic Methods For Organic Synthesis With Diazo Compounds: From Cyclopropanes To Ylides



Synopsis

This much-needed resource brings together a wealth of procedures for the synthesis and practical use of diazocarbonyl compounds. It features methods for the preparation of important catalysts and for applications of diazocarbonyl compounds within each of the main transformation categories-including in-depth coverage of cyclopropanation, C-H and X-H insertion, Wolff rearrangement, ylide formation, aromatic cycloaddition and substitution, and many other useful reactions. Written by leading experts in the field, this book contains cutting-edge material on highly enantioselective transformations, and presents new ways of thinking about diazocarbonyl compounds and their applications, from donor-acceptor cyclopropanes in organic synthesis to macrocyclic cyclopropanation. Complete with illustrative examples of procedures in each chapter, clear diagrams, and a detailed bibliography, this practical reference gives readers the tools they need to put diazocarbonyl compounds to work for their own projects-an invaluable source of guidance for synthetic organic chemists, chemical scientists, and advanced students.

Book Information

Hardcover: 652 pages

Publisher: Wiley-Interscience; 1 edition (January 19, 1998)

Language: English

ISBN-10: 0471135569

ISBN-13: 978-0471135562

Product Dimensions: 6.5 x 1.4 x 9.6 inches

Shipping Weight: 2.5 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #4,661,892 in Books (See Top 100 in Books) #92 in Books > Science & Math > Chemistry > Organic > Synthesis #3368 in Books > Science & Math > Chemistry > Physical & Theoretical #3830 in Books > Medical Books > Medicine > Internal Medicine > Pathology > Clinical Chemistry

Customer Reviews

For the first time in a single volume, here is a complete and comprehensive coverage of those features of the chemistry of diazocarbonyl compounds that characterize their enduring versatility as intermediates for organic synthesis. Emphasis is on synthetic applications and preparation of catalysts with sample handling procedures provided throughout the text. In addition, mechanistic interpretations are included to develop a predictive basis for synthesis.

This much-needed resource brings together a wealth of procedures for the synthesis and practical use of diazocarbonyl compounds. It features methods for the preparation of important catalysts and for applications of diazocarbonyl compounds within each of the main transformation categories-including in-depth coverage of cyclopropanation, C-H and X-H insertion, Wolff rearrangement, ylide formation, aromatic cycloaddition and substitution, and many other useful reactions. Written by leading experts in the field, this book contains cutting-edge material on highly enantioselective transformations, and presents new ways of thinking about diazocarbonyl compounds and their applications, from donor-acceptor cyclopropanes in organic synthesis to macrocyclic cyclopropanation. Complete with illustrative examples of procedures in each chapter, clear diagrams, and a detailed bibliography, this practical reference gives readers the tools they need to put diazocarbonyl compounds to work for their own projects-an invaluable source of guidance for synthetic organic chemists, chemical scientists, and advanced students.

[Download to continue reading...](#)

Modern Catalytic Methods for Organic Synthesis with Diazo Compounds: From Cyclopropanes to Ylides Handbook of Reagents for Organic Synthesis: Reagents for Heteroarene Synthesis (Hdbk of Reagents for Organic Synthesis) Cyclopropanes in Organic Synthesis Rodd's Chemistry of Carbon Compounds, Part D: Membered Heterocyclic Compounds With More Than 2 Heteroatoms in the Ring (Rodd's Chemistry of Carbon Compounds 2nd Edition) Handbook of Heterogeneous Catalytic Hydrogenation for Organic Synthesis The Organic Chemistry of Drug Synthesis, Volume 3 (Organic Chemistry Series of Drug Synthesis) Catalytic Asymmetric 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) The Chemistry of Heterocyclic Compounds, The Pyrazines Supplement I (Chemistry of Heterocyclic Compounds: A Series Of Monographs, Vol. 58) Rodd's Chemistry of Carbon Compounds. Second Edition. Volume IV. Part L: Heterocyclic Compounds (v. 4L) Advanced Organic Chemistry: Part B: Reaction and Synthesis: Reaction and Synthesis Pt. B Cycloaddition Reactions in Organic Synthesis, Volume 8 (Tetrahedron Organic Chemistry) Comprehensive Heterocyclic Chemistry: The Structure, Reactions, Synthesis, and Uses of Heterocyclic Compounds Comprehensive Heterocyclic Chemistry on CD-ROM: The Structure, Reactions, Synthesis and Uses of Heterocyclic Compounds (Volume 8-Volume S) Oxazoles: Synthesis, Reactions, and Spectroscopy, Part B (Chemistry of Heterocyclic Compounds: A Series Of Monographs) (v. 90) Synthesis and Application of Organoboron Compounds (Topics in Organometallic Chemistry) Hypervalent Iodine in Organic

Synthesis (Best Synthetic Methods) Organic Synthesis: Concepts and Methods Catalytic
Carbonylation Reactions (Topics in Organometallic Chemistry) Modern Organic Synthesis: An
Introduction

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)