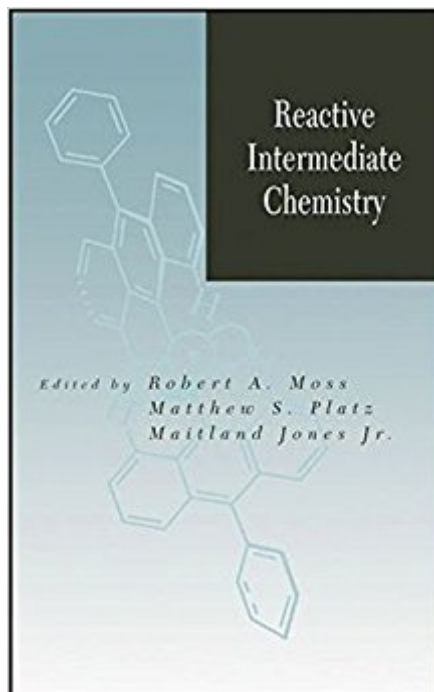


The book was found

# Reactive Intermediate Chemistry



## Synopsis

Reactive Intermediate Chemistry presents a detailed and timely examination of key intermediates central to the mechanisms of numerous organic chemical transformations. Spectroscopy, kinetics, and computational studies are integrated in chapters dealing with the chemistry of carbocations, carbanions, radicals, radical ions, carbenes, nitrenes, arynes, nitrenium ions, diradicals, etc. Nanosecond, picosecond, and femtosecond kinetic realms are explored, and applications of current dynamics and electronic structure calculations are examined. Reactive Intermediate Chemistry provides a deeper understanding of contemporary physical organic chemistry, and will assist chemists in the design of new reactions for the efficient synthesis of pharmaceuticals, fine chemicals, and agricultural products. Among its features, this authoritative volume is: Edited and authored by world-renowned leaders in physical organic chemistry. Ideal for use as a primary or supplemental graduate textbook for courses in mechanistic organic chemistry or physical chemistry. Enhanced by supplemental reading lists and summary overviews in each chapter.

## Book Information

Hardcover: 1076 pages

Publisher: Wiley-Interscience; 1 edition (January 7, 2004)

Language: English

ISBN-10: 0471233242

ISBN-13: 978-0471233244

Product Dimensions: 6.4 x 2.2 x 9.6 inches

Shipping Weight: 3.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #4,227,385 in Books (See Top 100 in Books) #36 in Books > Science & Math > Chemistry > Organic > Reactions #3458 in Books > Medical Books > Medicine > Internal Medicine > Pathology > Clinical Chemistry

## Customer Reviews

"...impressive reference...would be invaluable to any scientist whose project it is to understand the degradation pathway of a new chemical entity." (Pharmaceutical Development & Technology, February 2005) "This is truly an excellent book. The editors have a reputation as gifted scientific writers the graphics are also excellent, with a common format used throughout the entire book." (Journal of the American Chemical Society, August 18, 2004) "this is a very nice book, which is an absolute must for every chemist concerned with reactive intermediates." • (Angewandte Chemie

International Edition, August 6, 2004) "This book, which is well-organized and contains an extensive index, would be an indispensable resource for graduate students and professionals in academia or industry." • (E-STREAMS, July 2004) "An excellent and up-to-date resource for graduate students and practicing organic chemists. Highly recommended." (Choice, June 2004, Vol. 41 No. 10)

Comprehensive coverage of reactive intermediates The chemistry of reactive intermediates is central to a modern mechanistic and quantitative understanding of organic chemistry. Moreover, it underlies a significant portion of modern synthetic chemistry and is integral to a molecular view of biological chemistry. Reactive Intermediate Chemistry presents an up-to-date, authoritative guide to this fundamental area of organic chemistry. Intended as a free-standing resource for the entire chemical community, it should be especially useful for graduate students as a primary or supplemental textbook. This volume features a "three-dimensional" approach in which reactive intermediates are considered by class, the kinetic realms they inhabit, and in historical context, connecting the older, product-based chemistry with contemporary direct observational and computational approaches. Other features include: Discussion of emerging areas involving dynamics and theory A list of suggested reading for each chapter, as well as extensive referencing Concluding sections that identify key research directions for the future Reactive Intermediate Chemistry is a clearly organized, accessible reference for the student or professional in academic, pharmaceutical, or industrial laboratories.

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

Reactive Intermediate Chemistry Cyclopropane Derived Reactive Intermediates Updates (Patai's Chemistry of Functional Groups) Workouts in Intermediate Microeconomics: for Intermediate Microeconomics and Intermediate Microeconomics with Calculus, Ninth Edition 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) Ace General Chemistry I and II (The EASY Guide to Ace General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review Detached: Surviving Reactive Attachment Disorder Beat the Hell Out of Reactive Hypoglycemia Reflexercise: Train Your Brain to be LESS Reactive to Stress, Anxiety, Chronic Pain, Depression, Trauma and PTSD Right from Home My Story of Survival: The ultimate low-reactive diet for allergies, gut problems, food intolerances and chemical sensitivities. Feisty Fido: Help for the Leash-Reactive Dog When Love is Not Enough: A Guide to Parenting Children with RAD-Reactive Attachment Disorder When Love Is Not Enough: A Guide to Parenting With RAD-Reactive Attachment Disorder Sequenced Reactive Barriers for Groundwater

Remediation (AATDF Monograph Series) Organometallic Mechanisms and Catalysis: The Role of Reactive Intermediates in Organic Processes Bretherick's Handbook of Reactive Chemical Hazards, Fifth Edition: An indexed guide to published data (5th ed. 2 Vol Set) Guidelines for Safe Storage and Handling of Reactive Materials Bretherick's Handbook of Reactive Chemical Hazards, Sixth Edition Reactive Transport in Porous Media (Reviews in mineralogy) What is Organic Chemistry? Chemistry Book 4th Grade | Children's Chemistry Books Surviving Chemistry Review Book: High School Chemistry: 2015 Revision - with NYS Chemistry Regents Exams: The Physical Setting

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)