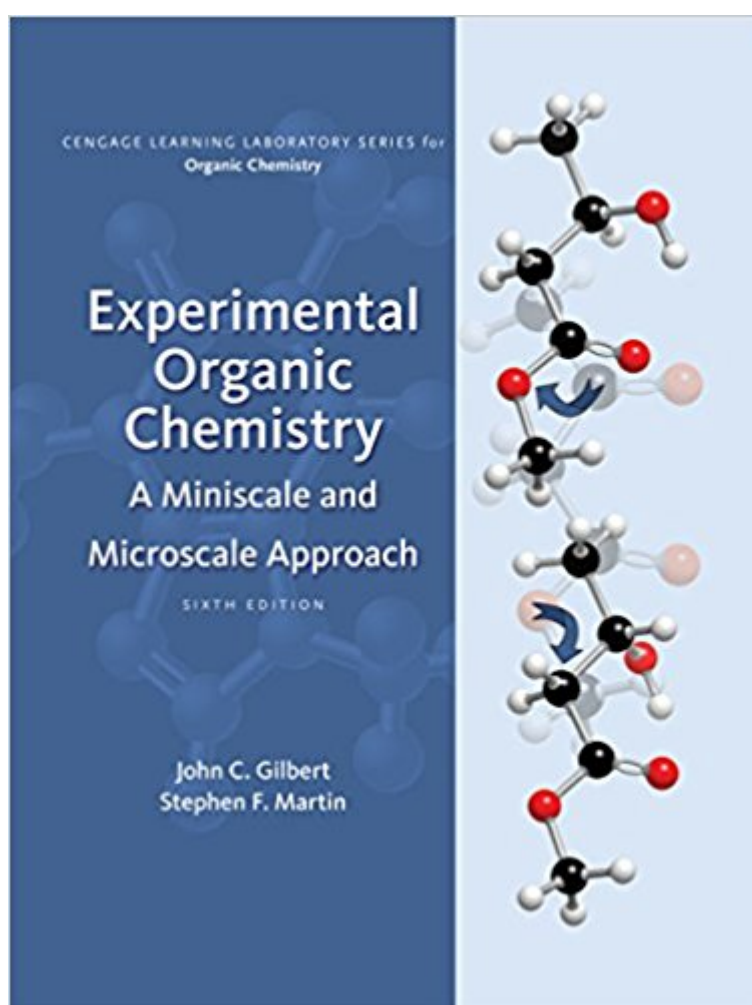


The book was found

# Experimental Organic Chemistry: A Miniscale & Microscale Approach (Cengage Learning Laboratory Series For Organic Chemistry)



## Synopsis

Perform chemistry experiments with skill and confidence in your organic chemistry lab course with this easy-to-understand lab manual. **EXPERIMENTAL ORGANIC CHEMISTRY: A MINISCALE AND MICROSCALE APPROACH**, Sixth Edition first covers equipment, record keeping, and safety in the laboratory, then walks you step by step through the laboratory techniques you'll need to perform all experiments. Individual chapters show you how to use the techniques to synthesize compounds and analyze their properties, complete multi-step syntheses of organic compounds, and solve structures of unknown compounds. New experiments in Chapter 17 and 18 demonstrate the potential of chiral agents in fostering enantioselectivity and of performing solvent-free reactions. A bioorganic experiment in Chapter 24 gives you an opportunity to accomplish a mechanistically interesting and synthetically important coupling of two  $\alpha$ -amino acids to produce a dipeptide.

## Book Information

Series: Cengage Learning Laboratory Series for Organic Chemistry

Hardcover: 960 pages

Publisher: Brooks Cole; 6 edition (January 1, 2015)

Language: English

ISBN-10: 1305080467

ISBN-13: 978-1305080461

Product Dimensions: 1.8 x 8.8 x 11.2 inches

Shipping Weight: 4.8 pounds (View shipping rates and policies)

Average Customer Review: 3.3 out of 5 stars 5 customer reviews

Best Sellers Rank: #14,216 in Books (See Top 100 in Books) #44 in [Books > Science & Math > Chemistry > Organic](#) #121 in [Books > Textbooks > Science & Mathematics > Chemistry](#) #645 in [Books > Textbooks > Education](#)

## Customer Reviews

#BeUnstoppable with Experimental Organic Chemistry: A Miniscale & Microscale Approach

[View larger](#)

[View larger](#)

[View larger](#)

[View larger](#)

Keeping you safe.

Safety is emphasized through "Safety Alerts" and "Wrapping It Up" sections that highlight possible hazards and proper disposal of spent chemicals. Take a look at chemical pioneers.

"Historical Highlights" familiarize you with the lives of chemical pioneers who have advanced the field of chemistry. Visuals guide your set up. Drawings show you how to set up an experiment with confidence.

Giving you the theory behind each experiment. Each experiment begins with a

thorough discussion of the theory and procedures involved and lays out experimental procedures to enhance your understanding.

## OWLv2 Is the Leading Online Learning System for Chemistry, Improving Learning Outcomes

[View larger](#)      [View larger](#)      [View larger](#)      [View larger](#)      Your ticket to better chemistry grades. OWLv2 is a proven system to help you succeed. Its Mastery Learning approach allows you to practice at your own pace, receive meaningful feedback and use learning resources to help you achieve better grades. Know what's important. OWLv2 concentrates on what's most important—understanding chemistry concepts and its technology lets you work the way that's best for you. Discover the relevance of your lessons. Interactive simulations, visualizations, and tutorials integrated smoothly into your lessons. The more you learn, the better prepared you are to solve problems and analyze information—which helps you succeed in exams and in the workplace. Master the content. Problems challenge you to think about the concepts, and OWLv2 lets you practice what you've learned.

Jack Gilbert joined the faculty of the University of Texas at Austin in 1965 and moved to Santa Clara University in 2007, where he is Professor of Chemistry & Biochemistry. He received the Advisory Council Teaching Excellence Award at UT the 2002-2003 academic year, as well as many other recognitions in teaching. While at UT, he co-authored several editions of the first laboratory textbook in organic chemistry that emphasized reactions mechanisms, as well as laboratory techniques, including spectroscopy. He continues to update the textbook, now with the able assistance of Steve Martin. Stephen Martin received his B. S. degree in chemistry from the University of New Mexico in 1968 and his Ph.D. degree from Princeton University in 1972. After postdoctoral years at the University of Munich and MIT, he joined the faculty at The University of Texas at Austin in 1974, where he currently holds the M. June and J. Virgil Waggoner Regents Chair in Chemistry. His research interests lie broadly in organic and bioorganic chemistry. In the former area, his endeavors involve developing and applying new methods and strategies to the syntheses of biologically active natural and non-natural products, especially those containing nitrogen and oxygen heterocyclic subunits. In the biological arena, he is studying fundamental aspects of molecular recognition in biological systems with a particular focus on how making specific structural changes in a ligand, particularly with respect to preorganization and nonpolar surface area, affect energetics and dynamics in protein-ligand interactions. He has received a number of awards including a NIH Career

Development Award, an American Cyanamid Academic Award, an Alexander von Humboldt Award, an Arthur C. Cope Scholar Award, a Japanese Society for the Promotion of Science Award, a Wyeth Research Award, and the International Society of Heterocyclic Chemistry Senior Award. He is a fellow of the American Association for the Advancement of Science and has served as a consultant for a number of pharmaceutical and biotechnology companies. He is the regional editor of "Tetrahedron for the Americas." He has delivered numerous invited lectures at national and international meetings, academic institutions, and industrial companies, and has published over 300 scientific papers in primary journals together with several reviews and articles in books. He is also co-author of "Experimental Organic Chemistry: A Miniscale and Microscale Approach."

Riveting.

The book came in with good condition.

The text references figures that don't exist, pages that don't contain the information the text says they do, and the entire last chapter in the index is not in the book. The last chapter instructs you to see online materials, which don't seem to exist anywhere on the internet. I bought this when it was the very newest edition and paid over \$150 for it, Cengage Learning could have at least put the correct page numbers. Clearly this reflects badly on Santa Clara University and the University of Texas at Austin.

Perfect

Book came torn.

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

Experimental Organic Chemistry: A Miniscale & Microscale Approach (Cengage Learning Laboratory Series for Organic Chemistry) Techniques in Organic Chemistry: Miniscale, Standard-Taper Microscale, Williamson Microscale Techniques in Organic Chemistry: Miniscale, Standard Taper Microscale, and Williamson Microscale A Microscale Approach to Organic Laboratory Techniques (Brooks/Cole Laboratory Series for Organic Chemistry) Modern Projects and Experiments in Organic Chemistry: Miniscale and Williamson Microscale Experimental Organic Chemistry: Standard and Microscale Safety-Scale Laboratory Experiments for Chemistry for Today (Cengage Laboratory Series for General, Organic, and Biochemistry) 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) Introduction to Organic Laboratory Techniques: Microscale Approach Microscale Inorganic Chemistry: A Comprehensive Laboratory Experience Cengage Advantage: A Creative Approach to Music Fundamentals (with Keyboard for Piano and Guitar) (Cengage Advantage Books) Experimental Organic Chemistry: Laboratory Manual Safety-Scale Laboratory Experiments for Chemistry for Today (Brooks/Cole Laboratory Series for General, Organic, and Biochemistry) Cengage Advantage Series: Essentials of Public Speaking (Cengage Advantage Books) Laboratory Applications in Microbiology: A Case Study Approach: Laboratory Applications in Microbiology: A Case Study Approach Macroscale and Microscale Organic Experiments (Available Titles CourseMate) Macroscale and Microscale Organic Experiments Experimental Physical Chemistry: A Laboratory Textbook Experimental Psychology (PSY 301 Introduction to Experimental Psychology) Experimental Structural Dynamics: An Introduction to Experimental Methods of Characterizing Vibrating Structures

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)