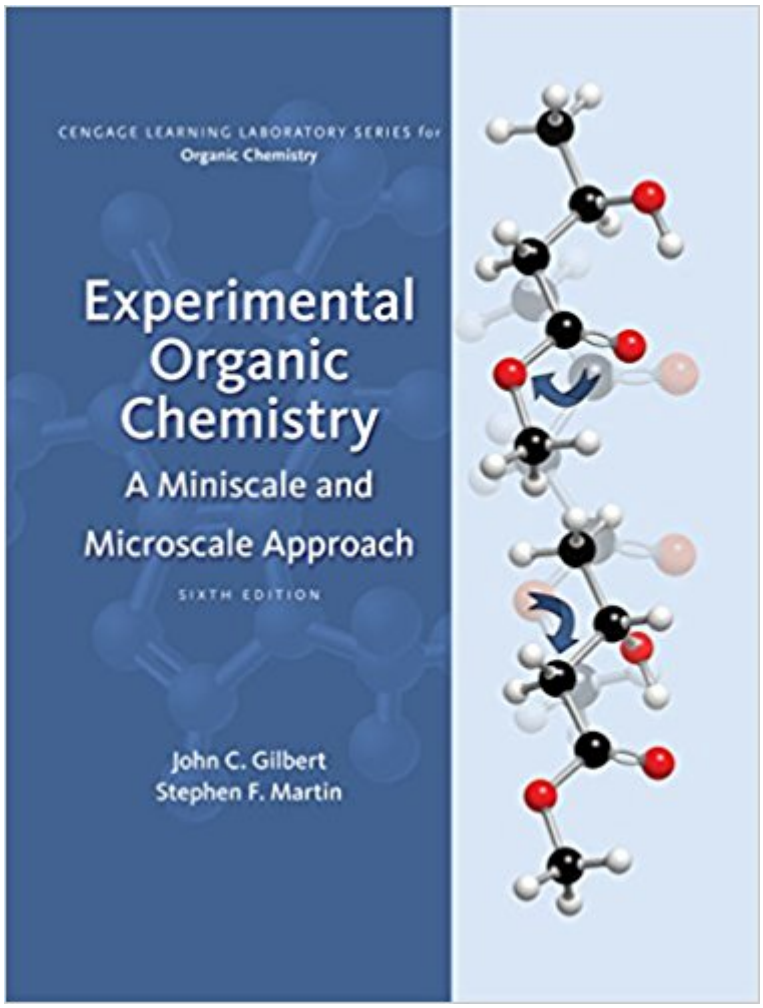
Experimental Organic Chemistry: A Miniscale & Microscale Approach (Cengage Learning Laboratory Series For Organic Chemistry)



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 a-amino acids to produce a dipeptide.

Book Information

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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.

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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, Cenage 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.

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