

*A Balanced
Approach:*

Macroscale

and

Microscale

Experimental Organic Chemistry



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M = macroscale procedure





m = microscale procedure




 = discovery based


 = CD ROM

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A Balanced Approach:

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Experimental Organic Chemistry

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With *Experimental Organic Chemistry, A Balanced Approach: Macroscale and Microscale*, the laboratory becomes a place of discovery and critical thinking. Instead of simply following directions, students learn how to investigate the experimental process itself.

- The **balanced approach** offers professors a large selection of experiments to choose from, giving them maximum flexibility and the option of using macroscale experiments, microscale experiments—or a combination of both—in designing a laboratory program.
- This manual contains both traditional synthetic and **discovery-based experiments**, which hone students' investigative skills.
- **Multiweek projects** foster teamwork and allow students the opportunity to think through an experiment and draw their own conclusions about the process, often creating their own experimental design.
- *Experimental Organic Chemistry, Techniques*, Melanie Cooper and Timothy S. Kearns, Clemson University. The CD-ROM contains video demonstrations of selected techniques students will use in the laboratory.
- All experiments have been **class tested** at Carleton College, Vassar College, and Bowling Green State University.

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