

<<有机化学实验>>

图书基本信息

书名：<<有机化学实验>>

13位ISBN编号：9787040300932

10位ISBN编号：7040300931

出版时间：2011-11

出版时间：高等教育出版社

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页数：234

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内容概要

This book is compiled on the basis of "Organic Chemistry Experiments" (fourth edition , edited by Zhanxian Gao) and with combination of the bilingual teaching experience. The book encompasses six sections : introduction , basic techniques for organic experiments , basic preparation experiments of organic compounds , comprehensive experiments , self-designing experiments , and investigative experiments. Tables of commonly used data , index , and the Chinese-English professional glossary are attached to the end of the book. The book was written with emphasis on (1) basic techniques for organic experiments , including some advanced experimental techniques such as microwave reactions and the resolution of racemates; (2) common scale and miniscale experiments , also taking account of semimicro- and microscale experiments; (3) traditional and representative organic reactions , meanwhile , introducing the concept of "green" synthesis; and (4) training students in basic experimental skills , including developing their ability in experimental design and scientific research as well. This book can be used as a textbook for the bilingual course of organic chemistry experiments. It can also be used as a teaching reference book for the experiment courses of other related majors.

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