

## <<描述有机化学反应机理>>

### 图书基本信息

书名：<<描述有机化学反应机理>>

13位ISBN编号：9787506265959

10位ISBN编号：7506265958

出版时间：2004-4

出版时间：世界图书出版公司(此信息作废)

作者：A.Miller

页数：471

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

## <<描述有机化学反应机理>>

### 内容概要

In revising this text for the second edition, a major goal was to make the book more user-friendly for both graduate and undergraduate students. Introductory material has been fleshed out. Headings have been added to make it easier to locate topics. The structures have been redrawn throughout, with added emphasis on the stereochemical aspects of reaction mechanisms. Coverage of some topics such as solvent effects and neighboring group effects has been expanded, and Chapter 6 has been completely reorganized and extensively rewritten.

## &lt;&lt;描述有机化学反应机理&gt;&gt;

## 书籍目录

Preface to the Second Edition Preface to First Edition

1 Introduction—Molecular Structure and Reactivity

1. How to Write Lewis Structures and Calculate Formal Charges

2. Representations of Organic Compounds

3. Geometry and Hybridization

4. Electronegativities and Dipoles

5. Resonance Structures

6. Aromaticity and Antiaromaticity

7. Tautomers and Equilibrium

8. Acidity and Basicity

9. Nucleophiles and Electrophiles

2 General Principles for Writing Reaction Mechanisms

1. Balancing Equations

2. Using Arrows to Show Moving Electrons

3. Mechanisms in Acidic and Basic Media

4. Electron-Rich Species: Bases or Nucleophiles?

5. Trimolecular Steps

6. Stability of Intermediates

7. Driving Forces for Reactions

8. Structural Relationships between Starting Materials and Products

9. Solvent Effects

10. A Last Word

3 Reactions of Nucleophiles and Bases

1. Nucleophilic Substitution

2. Eliminations at Saturated Carbon

.....4 Reactions Involving Acids and Other Electrophiles

5 Radicals and Radical Anions

6 Pericyclic Reactions

7 Additional Problems

Appendix A Lewis Structures of Common Functional Groups

Appendix B Symbols and Abbreviations Used in Chemical Notation

Appendix C Relative Acidities of Common Organic and Inorganic Substances

Index

<<描述有机化学反应机理>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>