

<<作为第二语言的有机化学 Organ>>

图书基本信息

书名：<<作为第二语言的有机化学 Organic Chemistry I as a Second Language>>

13位ISBN编号：9780471272359

10位ISBN编号：0471272353

出版时间：2004-12

出版时间：吉林长白山

作者：DR.DAVID R.KLEIN 著

页数：303

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>

## <<作为第二语言的有机化学 Organ>>

### 内容概要

Organic Chemistry may be challenging, but that doesn't mean you can't get the grade you want. With David Klein's Organic Chemistry as a Second Language: Translating the Basic Concepts, you'll be able to better understand fundamental principles, solve problems, and focus on what you need to know to succeed.

## 书籍目录

Introduction  
CHAPTER 1 BOND-LINE DRAWINGS 1.1 How to Read Bond-Line Drawings 1.2 How to Draw Bond-Line Drawings 1.3 Mistakes to Avoid 1.4 More Exercises 1.5 Identifying Formal Charges 1.6 Finding Lone Pairs That Are Not Drawn  
CHAPTER 2 RESONANCE 2.1 What Is Resonance? 2.2 Curved Arrows: The Tools for Drawing Resonance Structures 2.3 The Two Commandments 2.4 Drawing Good Arrows 2.5 Formal Charges in Resonance Structures 2.6 Drawing Resonance Structures--Step by Step 2.7 Drawing Resonance Structures--By Recognizing Patterns A Lone Pair Next to a Pi Bond A Lone Pair Next to a Positive Charge A Pi Bond Next to a Positive Charge A Pi Bond Between Two Atoms, Where One of Those Atoms Is Electronegative (N, O, etc.) Pi Bonds Going All the Way Around a Ring 2.8 Assessing the Relative Importance of Resonance Structures  
CHAPTER 3 ACID-BASE REACTIONS 3.1 Factor 1--What Atom Is the Charge on? 3.2 Factor 2--Resonance 3.3 Factor 3--Induction 3.4 Factor 4 Orbitals 3.5 Ranking the Four Factors 3.6 Quantitative Measurement (pKa values) 3.7 Predicting the Position of Equilibrium 3.8 Showing a Mechanism  
CHAPTER 4 GEOMETRY 4.1 Orbitals and Hybridization States 4.2 Geometry  
CHAPTER 5 NOMENCLATURE 5.1 Functional Group 5.2 Unsaturation 5.3 Naming the Parent Chain 5.4 Naming Substituents 5.5 Stereoisomerism 5.6 Numbering 5.7 Common Names 5.8 Going from a Name to a Structure  
CHAPTER 6 CONFORMATIONS 6.1 How to Draw a Newman Projection 6.2 Ranking the Stability of Newman Projections 6.3 Drawing Chair Conformations 6.4 Placing Groups on the Chair 6.5 Ring Flipping 6.6 Comparing the Stability of Chairs 6.7 Don't Be Confused by the Nomenclature  
CHAPTER 7 CONFIGURATIONS 7.1 Locating Stereocenters 7.2 Determining the Configuration of a Stereocenter 7.3 Nomenclature 7.4 Drawing Enantiomers 7.5 Diastereomers 7.6 Meso Compounds 7.7 Drawing Fischer Projections 7.8 Optical Activity  
CHAPTER 8 MECHANISMS 8.1 Curved Arrows 8.2 Arrow Pushing 8.3 Drawing Intermediates 8.4 Nucleophiles and Electrophiles 8.5 Bases Versus Nucleophiles 8.6 The Regiochemistry Is Contained Within the Mechanism .....  
CHAPTER 9 SUBSTITUTION REACTIONS  
CHAPTER 10 ELIMINATION REACTIONS  
CHAPTER 11 ADDITION REACTIONS  
CHAPTER 12 PREDICTING PRODUCTS  
CHAPTER 13 SYNTHESIS  
Answer Key Index

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>