

# 《生物有机化学》

## 图书基本信息

书名 : 《生物有机化学》

13位ISBN编号 : 9787506239240

10位ISBN编号 : 7506239248

出版时间 : 2007-05-26

出版社 : 世界图书出版公司

作者 : H.Dugas

版权说明 : 本站所提供下载的PDF图书仅提供预览和简介以及在线试读 , 请支持正版图书。

更多资源请访问 : [www.tushu111.com](http://www.tushu111.com)

# 《生物有机化学》

## 内容概要

生物有机化学，ISBN：9787506239240，作者：H.Dugas

# 《生物有机化学》

## 书籍目录

~Series PrefacePreface to the Third EditionPreface to the Second EditionPreface to the First EditionChapter 1 Introduction to Bioorganic Chemistry1.1 Basic Considerations1.2 Proximity Effects in Organic Chemistry1.3 Molecular Adaptation1.4 Molecular Recognition and the Supramolecular LevelChapter 2 Bioorganic Chemistry of Amino Acids and Polypeptides2.1 Chemistry of the Living Cells2.2 Analogy Between Organic Reactions and Biochemical Transformations2.3 Chemistry of the Peptide Bond2.4 Nonribosomal Peptide Bond Formation2.5 Asymmetric Synthesis of α-Amino Acids2.6 Asymmetric Synthesis with Chiral Organometal Catalysts2.7 Transition State Analogs2.8 Antibodies as Enzymes2.10 Molecular Recognition and Drug DesignChapter 3 Bioorganic Chemistry of the Phosphate Groups and Poly[ynucleotides]3.1 Basic Considerations3.2 Energy Storage3.3 Hydrolytic Pathways and Pseudorotation3.4 DNA IntercalantsChapter 4 Enzyme Chemistry4.1 Introduction to Catalysis4.2 Introduction to Enzymes4.3 Multifunctional Catalysis and Simple Models4.4 α-Chymotrypsin4.5 Other Hydrolytic Enzymes4.6 Stereoelectronic Control in Hydrolytic Reactions4.7 Immobilized Enzymes and Enzyme Technology4.8 Enzymes in Synthetic Organic Chemistry4.9 Enzyme-Analog-Built Polymers4.10 Design of Molecular CleftsChapter 5 Enzyme Models5.1 Host Guest Complexation Chemistry5.2 New Developments in Crown Ether Chemistry5.3 Membrane Chemistry and Cell Lines5.4 Polymers5.5 Cyclodextrins5.6 Enzyme Design Using Steroid Template5.7 Remote Functionalization Reactions5.8 Biomimetic Polyene CyclizationsChapter 6 Metal Ions6.1 Metal Ions in Proteins and Biological Molecules6.2 Carboxypeptidase A and the Role of Zinc6.3 Hydrolysis of Amino Acid Esters and Amides and Peptides6.4 Iron and Oxygen Transport6.5 Copper Ion6.6 Biomodels of Photosynthesis and Energy Transfer6.7 Cobalt and Vitamin B<sub>12</sub>, ActionChapter 7 Conenzyme ChemistryChapter 8 Molecular DevicesReferencesIndex~

# 《生物有机化学》

## 精彩书评

1、化学不见得必须依靠纯化学书籍才能学习，这本书就从生物方面对化学的机理，结构等等内容进行了全新的诠释。他从化学的侧面打开了一扇窗户让生物的阳光透进来，照亮了一片以前被人忽视的领域——生物有机化学。再加上精美的插图，厚厚的一大本书是每一位爱好化学的人值得拥有的！

# 《生物有机化学》

## 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:[www.tushu111.com](http://www.tushu111.com)