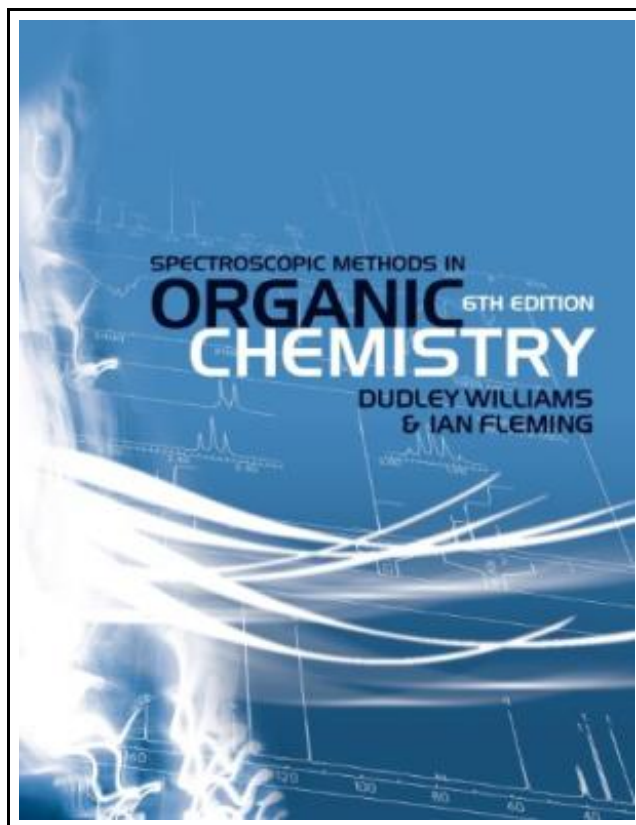


Spectroscopic Methods in Organic Chemistry



Filesize: 6.05 MB

Reviews

It is great and fantastic. I actually have read and so i am certain that i am going to going to go through once again yet again in the future. I realized this ebook from my dad and i encouraged this book to find out.

(Dr. Kayden Gerlach)

SPECTROSCOPIC METHODS IN ORGANIC CHEMISTRY



To read **Spectroscopic Methods in Organic Chemistry** PDF, please refer to the button below and download the file or have access to other information which might be relevant to SPECTROSCOPIC METHODS IN ORGANIC CHEMISTRY book.

McGraw-Hill Education, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface Chapter 1: Ultraviolet and visible spectra 1.1 Introduction 1.2 Chromophores 1.3 The absorption laws 1.4 Measurement of the spectrum 1.5 Vibrational fine structure 1.6 Choice of solvent 1.7 Selection rules and intensity 1.8 Solvent effects 1.9 Searching for a chromophore 1.10 Definitions 1.11 Conjugated dienes 1.12 Polyenes 1.13 Polyenyne and poly-yne 1.14 Ketones and aldehydes; $\pi \rightarrow \pi^*$ transitions 1.15 Ketones and aldehydes; $n \rightarrow \pi^*$ transitions 1.16 α,β -Unsaturated acids, esters, nitriles and amides 1.17 The benzene ring 1.18 Substituted benzene rings 1.19 Polycyclic aromatic hydrocarbons 1.20 Heteroaromatic compounds 1.21 Quinones 1.22 Corroles, chlorins and porphyrins 1.23 Non-conjugated interacting chromophores 1.24 The effect of steric hindrance to coplanarity 1.25 Internet 1.26 Bibliography Chapter 2: Infrared spectra 2.1 Introduction 2.2 Preparation of samples and examination in an infrared spectrometer 2.3 Examination in a Raman spectrometer 2.4 Selection rules 2.5 The infrared spectrum 2.6 The use of the tables of characteristic group frequencies 2.7 Absorption frequencies of single bonds to hydrogen 3600-2000 cm^{-1} 2.8 Absorption frequencies of triple and cumulated double bonds 2300-1930 cm^{-1} 2.9 Absorption frequencies of the double-bond region 1900-1500 cm^{-1} 2.10 Groups absorbing in the fingerprint region <1500 cm^{-1} 2.11 Internet 2.12 Bibliography 2.13 Correlation charts 2.14 Tables of data Chapter 3: Nuclear magnetic resonance spectra 3.1 Nuclear spin and resonance 3.2 The measurement of spectra 3.3 The chemical shift 3.4 Factors affecting the chemical shift 3.4.1 Intramolecular factors affecting the chemical shift 3.4.2 Intermolecular factors affecting the chemical shift 3.5 Spin-spin coupling to ^{13}C 3.5.1 ^{13}C - ^1H Coupling 3.5.2 ^{13}C - ^1H Coupling 3.5.3 ^{13}C - ^{13}C Coupling 3.6 ^1H - ^1H Vicinal coupling (3JHH) 3.7 ^1H - ^1H Geminal coupling (2JHH) 3.8 ^1H - ^1H Long-range coupling (4JHH and 5JHH) 3.9 Deviations from first-order coupling 3.10 The magnitude of ^1H - ^1H coupling constants 3.10.1 Vicinal...



[Read Spectroscopic Methods in Organic Chemistry Online](#)



[Download PDF Spectroscopic Methods in Organic Chemistry](#)



[Download ePUB Spectroscopic Methods in Organic Chemistry](#)

You May Also Like



[PDF] Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

Access the web link listed below to get "Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)" PDF file.

[Save Document »](#)



[PDF] Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep

Access the web link listed below to get "Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep" PDF file.

[Save Document »](#)



[PDF] The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)

Access the web link listed below to get "The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)" PDF file.

[Save Document »](#)



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

Access the web link listed below to get "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)" PDF file.

[Save Document »](#)



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

Access the web link listed below to get "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" PDF file.

[Save Document »](#)



[PDF] TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)

Access the web link listed below to get "TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)" PDF file.

[Save Document »](#)

**[PDF] Read Write Inc. Phonics: Pink Set 3 Storybook 1 Scruffy Ted**

Access the link under to get "Read Write Inc. Phonics: Pink Set 3 Storybook 1 Scruffy Ted" PDF file.

[Download ePub »](#)

**[PDF] Read Write Inc. Phonics: Green Set 1 Storybook 1 on the Bus**

Access the link under to get "Read Write Inc. Phonics: Green Set 1 Storybook 1 on the Bus" PDF file.

[Download ePub »](#)

**[PDF] Read Write Inc. Phonics: Green Set 1 Storybook 5 Black Hat Bob**

Access the link under to get "Read Write Inc. Phonics: Green Set 1 Storybook 5 Black Hat Bob" PDF file.

[Download ePub »](#)

**[PDF] Read Write Inc. Phonics: Orange Set 4 Non-Fiction 1 Jam Tarts**

Access the link under to get "Read Write Inc. Phonics: Orange Set 4 Non-Fiction 1 Jam Tarts" PDF file.

[Download ePub »](#)

**[PDF] Read Write Inc. Phonics: Green Set 1 Storybook 10 Stitch the Witch**

Access the link under to get "Read Write Inc. Phonics: Green Set 1 Storybook 10 Stitch the Witch" PDF file.

[Download ePub »](#)

**[PDF] Read Write Inc. Phonics: Green Set 1 Non-Fiction 5 Camping**

Access the link under to get "Read Write Inc. Phonics: Green Set 1 Non-Fiction 5 Camping" PDF file.

[Download ePub »](#)