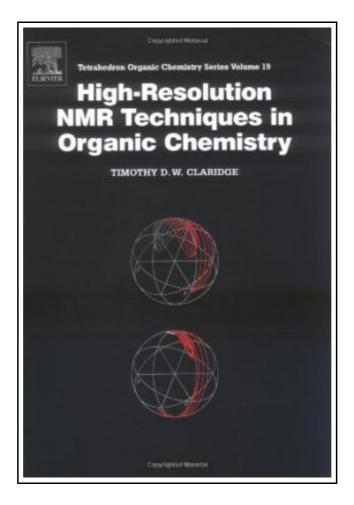
# High-Resolution NMR Techniques in Organic Chemistry (Tetrahedron Organic Chemistry Series, Vol. 19)



Filesize: 5.44 MB

#### Reviews

This is actually the best ebook we have read till now. Indeed, it can be enjoy, nevertheless an interesting and amazing literature. You will not feel monotony at whenever you want of the time (that's what catalogs are for regarding should you question me).

(Jamar Stracke)

## HIGH-RESOLUTION NMR TECHNIQUES IN ORGANIC CHEMISTRY (TETRAHEDRON ORGANIC CHEMISTRY SERIES, VOL. 19)



Pergamon, 2000. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface. Acknowledgements. Introduction.lt;/b> The development of high-resolution NMR. Modern NMR and this book. Applying modern NMR techniques. References. Introducing High-resolution NMR.lt;/b> Nuclear spin and resonance. The vector model and pulse excitation. Time and frequency domains. Spin relaxation. Mechanisms for relaxation. References. Practical Aspects of High-resolution NMR.lt;/b> An overview of the NMR spectrometer. Data acquisition and processing. Preparing the sample. Preparing the spectrometer. Spectrometer calibrations. Spectrometer performance tests. References. One-dimensional Techniques.lt;/b> The single-pulse experiment. Spin decoupling methods. Spectrum editing with spin-echoes. Sensitivity enhancement and spectrum editing. Observing quadrupolar nuclei. References. Correlations through the Chemical Bond I: Homonuclear Shift Correlation.lt;/b> Introducing the second dimension. Correlation spectroscopy (COSY). Practical aspects of 2D NMR. Coherence and coherence transfer. Gradient-selected spectroscopy. Alternative COSY sequences. Total correlation spectroscopy (TOCSY). Correlating dilute spins: INADEQUATE. References. Correlations through the Chemical Bond II: Heteronuclear Shift Correlation.lt;/b> Introduction. Sensitivity. Heteronuclear single-bond correlation spectroscopy. Heteronuclear multiple-bond correlation spectroscopy. Traditional X-detected correlation spectroscopy. References. Separating Shifts and Couplings: J-resolved Spectroscopy.lt;/b> Introduction. Heteronuclear J-resolved spectroscopy. Homonuclear Jresolved spectroscopy. "Indirect" homonuclear J-resolved spectroscopy. References. Correlations through Space: The Nuclear Overhauser Effect.lt;/b> Part I: Theoretical Aspects. Introduction. Definition of the NOE. Steady-state NOEs. Transient NOEs. Rotating-frame NOEs. Part II: Practical Aspects. Measuring steady-state NOEs: NOE difference. Measuring transient NOEs: NOESY. Measuring rotating-frame NOEs: ROESY. Measuring heteronuclear NOEs. Experimental considerations. References. Experimental Methods.lt;/b> Composite pulses. Broadband decoupling and spin-locks. Selective excitation and shaped pulses. Solvent suppression. Recent methods. References. Glossary of Acronyms.lt;/b> Index.

- Read High-Resolution NMR Techniques in Organic Chemistry (Tetrahedron Organic Chemistry Series, Vol. 19) Online
- Download PDF High-Resolution NMR Techniques in Organic Chemistry (Tetrahedron Organic Chemistry Series, Vol. 19)

#### Other Kindle Books



### Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep

CreateSpace Independent Publishing Platform, 2013. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: "Star Flights Bedtime Spaceship" is a charming and fun story with the purpose to help children...

Download ePub »



#### The Perfect Name: A Step

Book Condition: Brand New. Book Condition: Brand New.

Download ePub »



### Scaffolding Emergent Literacy : A Child-Centered Approach for Preschool Through Grade 5

Book Condition: Brand New. Book Condition: Brand New.

Download ePub »



#### Daycare Seen Through a Teacher's Eyes: A Guide for Teachers and Parents

America Star Books, United States, 2010. Paperback. Book Condition: New. 224 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Between the good mornings and the good nights it s what...

Download ePub »



### The Red Leather Diary: Reclaiming a Life Through the Pages of a Lost Journal (P.S.)

Harper Perennial. PAPERBACK. Book Condition: New. 0061256781 Never Read-12+ year old Paperback book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy-...

Download ePub »



### Fun to Learn Bible Lessons Preschool 20 Easy to Use Programs Vol 1 by Nancy Paulson 1993 Paperback

Book Condition: Brand New. Book Condition: Brand New.

Download Book »



#### Curb Service: A Memoir

Counterpoint. Paperback. Book Condition: new. BRAND NEW, Curb Service: A Memoir, Scot Sothern, Cruising nighttime byways for an adrenaline fix, Scot Sothern first patronized the marketplace of curbside prostitution surfing the prurient whims of a

Download Book »



#### Read Write Inc. Phonics: Orange Set 4 Storybook 2 | Think | Want to be a Bee

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 209 x 149 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read

Download Book »



My Life as an Experiment: One Man's Humble Quest to Improve Himself by Living as a Woman, Becoming George Washington, Telling No Lies, and Other Radical Tests

SIMON SCHUSTER, United States, 2010. Paperback. Book Condition: New. Reprint. 212 x 138 mm. Language: English . Brand New Book. One man. Ten extraordinary quests. Bestselling author and human guinea pig A. J. Jacobs puts

Download Book »



#### Read Write Inc. Phonics: Grey Set 7 Non-Fiction 5 a Place in Space: The Moon

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 197 x 88 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books

Download Book »