



Organic Structural Spectroscopy (2nd Edition)

By Joseph B. Lambert, Scott Gronert, Herbert F. Shurvell, David Lightner, Robert Graham Cooks



Download



Read Online



Get Print Book

Organic Structural Spectroscopy (2nd Edition) By Joseph B. Lambert, Scott Gronert, Herbert F. Shurvell, David Lightner, Robert Graham Cooks

Ideal for any practicing or future organic chemist or biochemist, ***Organic Structural Spectroscopy*** presents the fundamentals of all four principal spectroscopic methods: nuclear magnetic resonance spectroscopy, mass spectrometry, infrared spectroscopy, and ultraviolet-visible spectroscopy. Each topic is examined in depth by an experienced author who is a practicing expert in that area. The material begins at the most elementary level and progresses to the level required for organic research. Among many other enhancements, the **Second Edition** offers an entirely new discussion of mass spectrometry, with comprehensive coverage of new ionization and fragmentation methods, and treatment of NMR from the basics to advanced 2D methods.



[Download Organic Structural Spectroscopy \(2nd Edition\) ...pdf](#)



[Read Online Organic Structural Spectroscopy \(2nd Edition\) ...pdf](#)

Organic Structural Spectroscopy (2nd Edition)

By Joseph B. Lambert, Scott Gronert, Herbert F. Shurvell, David Lightner, Robert Graham Cooks

Organic Structural Spectroscopy (2nd Edition) By Joseph B. Lambert, Scott Gronert, Herbert F. Shurvell, David Lightner, Robert Graham Cooks

Ideal for any practicing or future organic chemist or biochemist, ***Organic Structural Spectroscopy*** presents the fundamentals of all four principal spectroscopic methods: nuclear magnetic resonance spectroscopy, mass spectrometry, infrared spectroscopy, and ultraviolet-visible spectroscopy. Each topic is examined in depth by an experienced author who is a practicing expert in that area. The material begins at the most elementary level and progresses to the level required for organic research. Among many other enhancements, the **Second Edition** offers an entirely new discussion of mass spectrometry, with comprehensive coverage of new ionization and fragmentation methods, and treatment of NMR from the basics to advanced 2D methods.

Organic Structural Spectroscopy (2nd Edition) By Joseph B. Lambert, Scott Gronert, Herbert F. Shurvell, David Lightner, Robert Graham Cooks Bibliography

- Sales Rank: #112890 in Books
- Published on: 2010-10-01
- Original language: English
- Number of items: 1
- Dimensions: 10.90" h x 1.00" w x 8.60" l, .0 pounds
- Binding: Hardcover
- 552 pages

 [Download Organic Structural Spectroscopy \(2nd Edition\) ...pdf](#)

 [Read Online Organic Structural Spectroscopy \(2nd Edition\) ...pdf](#)

Editorial Review

From the Publisher

This text authoritatively covers currently used techniques for determining the structure of organic and biological compounds--ideal for any practicing or future organic or biochemist. The fundamentals of all four principal spectroscopic methods are covered in depth, each by an experienced author who is a practicing expert in that area. The material is easy to grasp, beginning at the most elementary level and progressing to the level required for organic research. Highlights include the most thorough and current treatment of NMR available, ample problem material, and two new chapters devoted to multiple pulse and two-dimensional methods.

From the Back Cover

This book is the revision of a widely-respected book on spectroscopy. The book covers all four areas of organic spectroscopy including NMR, MS, electronic (including CD and optical rotary dispersion), and vibrational (which also includes Raman). The book is the most complete and comprehensive treatment on the subject. It covers currently used techniques for determining the structure of organic and biological compounds. It also has a strong emphasis on problem solving and is distinctly pedagogical. This book is ideal for any practicing or future organic or biochemist.

About the Author

Joseph B. Lambert has been Clare Hamilton Hall Professor of Chemistry at Northwestern University, Evanston, Illinois, and soon will become Professor of Chemistry at Trinity University, San Antonio, Texas. He has been recognized for his work in nuclear magnetic resonance spectroscopy, organosilicon chemistry, and archaeological chemistry, and for his teaching of chemistry. His honors include the American Chemical Society 2004 Sidney M. Edelstein Award for Outstanding Achievements in the History of Chemistry, the American Chemical Society 1998 Frederic Stanley Kipping Award in Silicon Chemistry, and the Chemical Manufacturers Association 1993 National Catalyst Award. He is the author of over 360 publications, including 13 books, and he is the editor-in-chief of the Journal of Physical Organic Chemistry.

Scott Gronert is Professor of Chemistry at Virginia Commonwealth University. He has been recognized for his research in mass spectrometry, proteomics, and gas-phase ion chemistry, and for his teaching of chemistry. His honors include a Northern California Phi Beta Kappa Teaching Excellence Award and a Wilsmore Fellowship at the University of Melbourne. He is author of over 100 publications, several book chapters, and presently is on the editorial board of the Journal of the American Society for Mass Spectrometry.

Herbert F. Shurvell is Emeritus Professor of Chemistry and Adjunct Professor in the Art Conservation Program at Queen's University in Kingston, Ontario. He has been recognized for research in infrared and Raman spectroscopy and for his teaching of chemistry. His honors include a D.Sc. degree from Exeter University, Honorary Membership in the Spectroscopy Society of Canada, and an Award for Excellence in Teaching from the Arts and Science Undergraduate Society of Queen's University. He is author of more than 200 publications, including four books, and he is a former Editor of Canadian Spectroscopic News.

David A. Lightner is R.C. Fuson Professor of Chemistry, Adjunct Professor of Biochemistry, and Regents Research Professor at the University of Nevada, Reno. He has been recognized for distinguished contributions in relating chiroptical properties to stereochemistry and for clarifying the molecular

mechanisms of phototherapy for neonatal jaundice. His honors include University of Nevada Foundation Professor (1987), the first recipient of the Outstanding Research Award for the State of Nevada (1992), and election as Fellow of the American Association for the Advancement of Science (1996). He is the author of more than 350 research publications and 12 books or book chapters, a former associate editor of Photochemistry and Photobiology, and currently on the editorial advisory board of Monatshefte für Chemie.

Users Review

From reader reviews:

Shirley Raine:

With other case, little persons like to read book Organic Structural Spectroscopy (2nd Edition). You can choose the best book if you'd prefer reading a book. So long as we know about how is important a new book Organic Structural Spectroscopy (2nd Edition). You can add understanding and of course you can around the world by just a book. Absolutely right, due to the fact from book you can learn everything! From your country until finally foreign or abroad you will be known. About simple factor until wonderful thing it is possible to know that. In this era, we can easily open a book as well as searching by internet unit. It is called e-book. You can use it when you feel bored to go to the library. Let's learn.

Frances Hayes:

Now a day those who Living in the era just where everything reachable by connect to the internet and the resources included can be true or not involve people to be aware of each info they get. How individuals to be smart in obtaining any information nowadays? Of course the answer is reading a book. Reading a book can help individuals out of this uncertainty Information specifically this Organic Structural Spectroscopy (2nd Edition) book because book offers you rich info and knowledge. Of course the data in this book hundred pct guarantees there is no doubt in it as you know.

Thomas Daniels:

Why? Because this Organic Structural Spectroscopy (2nd Edition) is an unordinary book that the inside of the book waiting for you to snap it but latter it will distress you with the secret that inside. Reading this book next to it was fantastic author who else write the book in such awesome way makes the content inside easier to understand, entertaining approach but still convey the meaning completely. So , it is good for you for not hesitating having this any more or you going to regret it. This amazing book will give you a lot of benefits than the other book possess such as help improving your expertise and your critical thinking technique. So , still want to hesitate having that book? If I have been you I will go to the reserve store hurriedly.

Katrina Scofield:

You can obtain this Organic Structural Spectroscopy (2nd Edition) by browse the bookstore or Mall. Simply viewing or reviewing it could to be your solve problem if you get difficulties to your knowledge. Kinds of this reserve are various. Not only by written or printed but can you enjoy this book through e-book. In the

modern era similar to now, you just looking because of your mobile phone and searching what your problem. Right now, choose your ways to get more information about your publication. It is most important to arrange you to ultimately make your knowledge are still revise. Let's try to choose suitable ways for you.

Download and Read Online Organic Structural Spectroscopy (2nd Edition) By Joseph B. Lambert, Scott Gronert, Herbert F. Shurvell, David Lightner, Robert Graham Cooks #DOPL65FTJ7Y

Read Organic Structural Spectroscopy (2nd Edition) By Joseph B. Lambert, Scott Gronert, Herbert F. Shurvell, David Lightner, Robert Graham Cooks for online ebook

Organic Structural Spectroscopy (2nd Edition) By Joseph B. Lambert, Scott Gronert, Herbert F. Shurvell, David Lightner, Robert Graham Cooks Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Organic Structural Spectroscopy (2nd Edition) By Joseph B. Lambert, Scott Gronert, Herbert F. Shurvell, David Lightner, Robert Graham Cooks books to read online.

Online Organic Structural Spectroscopy (2nd Edition) By Joseph B. Lambert, Scott Gronert, Herbert F. Shurvell, David Lightner, Robert Graham Cooks ebook PDF download

Organic Structural Spectroscopy (2nd Edition) By Joseph B. Lambert, Scott Gronert, Herbert F. Shurvell, David Lightner, Robert Graham Cooks Doc

Organic Structural Spectroscopy (2nd Edition) By Joseph B. Lambert, Scott Gronert, Herbert F. Shurvell, David Lightner, Robert Graham Cooks Mobipocket

Organic Structural Spectroscopy (2nd Edition) By Joseph B. Lambert, Scott Gronert, Herbert F. Shurvell, David Lightner, Robert Graham Cooks EPub