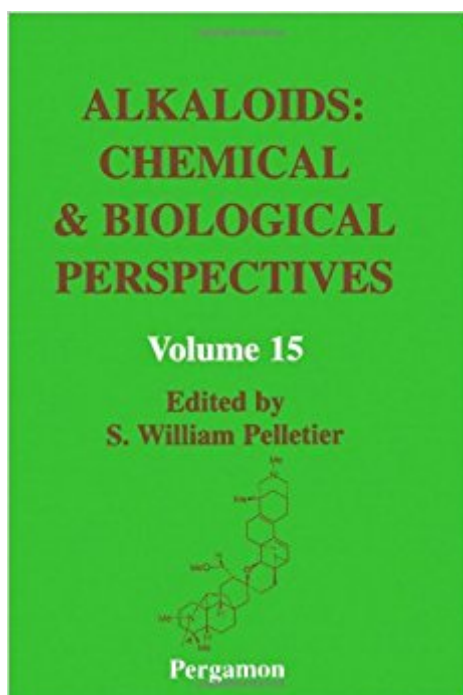


The book was found

Alkaloids: Chemical And Biological Perspectives, Volume 15



Synopsis

Alkaloids: Chemical and Biological Perspectives, the 15th volume of the ACBP series, features four important reviews of research on alkaloids. Chapter 1 is the first comprehensive review of the carbon-13 and proton NMR shift assignments and physical constants of diterpene alkaloids and their derivatives. In addition to the catalogue of spectral and physical data, the chapter includes a table of the occurrences of these alkaloids in various plant species, tables containing molecular formulas versus calculated high-resolution mass values, and calculated high-resolution mass values versus the molecular formulas of diterpenoid alkaloids, as well as seven tables summarizing the carbon-13 chemical shifts of various functional groups in diterpenoid alkaloids. Chapter 2 is a fascinating review of the supercritical fluid extraction of alkaloids. This technique using basic modifiers, provides an alternative method for the extraction of alkaloids. Chapter 3 summarizes recent advances in the synthesis of Amaryllidaceae alkaloids, an important class of naturally-occurring bases and neutral compounds. The increased activity in the synthesis of these alkaloids over the last decade is undoubtedly due to the fact that certain members of this family possess interesting and useful biological properties. Elegant syntheses, chiral and otherwise, of structures incorporating many asymmetric centres are reviewed. Chapter 4 reviews radical cyclization reactions in the total synthesis of indole alkaloids. The use of free radical chemistry in the synthesis of alkaloids has grown markedly because of the mild reaction conditions, tolerance of a wide variety of functional groups, and the good stereoselectivities. Each chapter in this volume has been reviewed by at least one specialist in the field.

Book Information

Series: Alkaloids: Chemical and Biological Perspectives (Book 15)

Hardcover: 656 pages

Publisher: Pergamon; 1 edition (December 17, 2001)

Language: English

ISBN-10: 0080440258

ISBN-13: 978-0080440255

Product Dimensions: 6.1 x 1.4 x 9.2 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

Average Customer Review: 3.0 out of 5 stars 1 customer review

Best Sellers Rank: #15,086,980 in Books (See Top 100 in Books) #58 in Books > Science & Math > Chemistry > Alkaloids #3831 in Books > Science & Math > Biological Sciences >

Customer Reviews

Got this product as a Father's Day gift. He loves the product. For its price, it is excellent quality. A very good looking tool too. In addition, the customer service was excellent. I certainly would recommend it! high quality and very value for this price . send to my son, have a good experience. fast and in time.

[Download to continue reading...](#)

Alkaloids: Chemical and Biological Perspectives, Volume 9 Alkaloids: Chemical and Biological Perspectives, Volume 11 Alkaloids: Chemical and Biological Perspectives, Volume 10 Alkaloids: Chemical and Biological Perspectives, Volume 15 Alkaloids: Chemical and Biological Perspectives, Volume 14 Alkaloids: Chemical and Biological Perspectives, Volume 13 Alkaloids: Chemical and Biological Perspectives Alkaloids: Chemical and Biological Perspectives: 9 Alkaloids: Chemical and Biological Perspectives: 12 Alkaloids: Chemical and Biological Perspectives, Vol. 6 Alkaloids: Chemical and Biological Perspectives: 15 The Alkaloids, Chemistry and Physiology, Volume VIII [8]: The Indole Alkaloids The Alkaloids: Chemistry and Physiology, Vol. 8: The Indole Alkaloids (v. 8) The Pyrrolizidine Alkaloids Their Chemistry, Pathogenicity and Other Biological Properties. (Frontiers of Biology, volume 9) Naturally Occurring Alkaloids and Iridoids: Chemistry and Biological Importance Advances in Chemical Physics, Volume 15: Stochastic Processes in Chemical Physics (v. 15) Measuring and Monitoring Biological Diversity. Standard Methods for Amphibians (Biological Diversity Handbook) Disaster Nursing and Emergency Preparedness for Chemical, Biological and Radiological Terrorism and Other Hazards, 2nd Edition Disaster Nursing and Emergency Preparedness: for Chemical, Biological, and Radiological Terrorism and Other Hazards, Third Edition Individual Preparedness and Response to Chemical, Radiological, Nuclear, and Biological Terrorist Attacks

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)