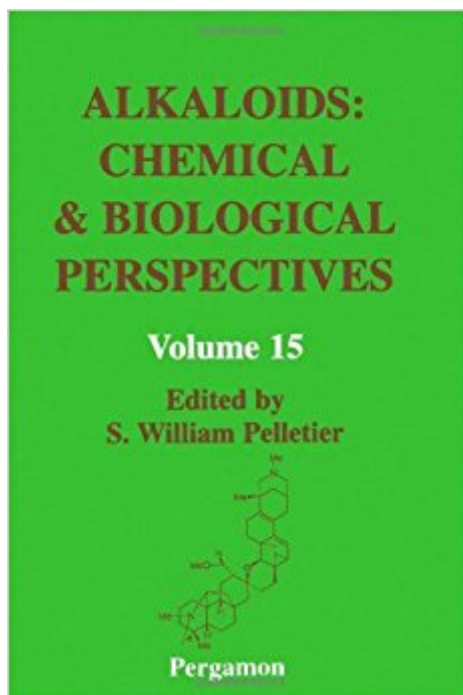


The book was found

Alkaloids: Chemical And Biological Perspectives: 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

File Size: 11954 KB

Print Length: 656 pages

Publisher: Pergamon; 1 edition (December 3, 2001)

Publication Date: December 3, 2001

Sold by: Digital Services LLC

Language: English

ASIN: B001D4CV7M

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #3,998,453 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #55 in Books > Science & Math > Chemistry > Alkaloids #407 in Kindle Store > Kindle eBooks > Nonfiction > Science > Physics > Statics #1240 in Kindle Store > Kindle eBooks > Nonfiction > Science > Chemistry > Organic

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

Alkaloids: Chemical and Biological Perspectives, Volume 10 Alkaloids: Chemical and Biological Perspectives Alkaloids: Chemical and Biological Perspectives, Vol. 6 Alkaloids: Chemical and Biological Perspectives: 15 Alkaloids: Chemical and Biological Perspectives, Volume 14 Alkaloids: Chemical and Biological Perspectives, Volume 13 Alkaloids: Chemical and Biological Perspectives, Volume 12 The Alkaloids, Chemistry and Physiology, Volume VIII [8]: The Indole Alkaloids The Alkaloids: Chemistry and Physiology, Vol. 8: The Indole Alkaloids (v. 8) Metal Ions in Biological Systems: Volume 29: Biological Properties of Metal Alkyl Derivatives Weapons of Mass Destruction: An Encyclopedia of Worldwide Policy, Technology, and History; Volume I: Chemical and Biological Weapons and Volume II: ... Technology, and History (2 volume set) 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 Pest Control Biological, Physical, and Selected Chemical Methods U.S. Armed Forces Nuclear, Biological And Chemical Survival Manual Toxic Terror: Assessing Terrorist Use of Chemical and Biological Weapons (BCSIA Studies in International Security) Drug Targeting Technology: Physical Chemical Biological Methods (Drugs and the Pharmaceutical Sciences) Combating Resistance to Xenobiotics: Biological and Chemical Approaches (Ellis Horwood Series in Biomedicine) Chemical Approaches to the Synthesis of Peptides and Proteins (New Directions in Organic & Biological Chemistry) Problems And Solutions to Accompany Chang's Physical Chemistry for the Chemical & Biological Sciences

[Dmca](#)