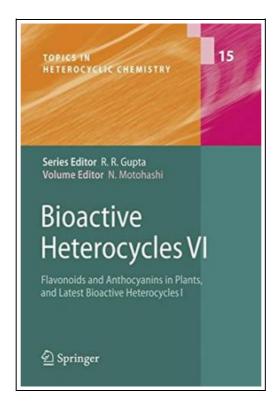
Bioactive Heterocycles VI



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Reviews

This book is definitely not easy to get going on reading but extremely entertaining to learn. It is actually filled with knowledge and wisdom I am very easily will get a delight of reading a composed ebook.

(Krystina Breitenberg)

BIOACTIVE HETEROCYCLES VI



Springer-Verlag Gmbh Jul 2008, 2008. Buch. Condition: Neu. Neuware - As part of the series Topics in Heterocyclic Chemistry,thisvolumetitledBio- tiveHeterocyclesII presentscomprehensiveandup-to-datereviewsonselected topicsconcerning avonoidsandanthocyaninsinplants, and heterocyclessuch as bioactive phenothiazines, phenoxazines, and related compounds. The v- ume isseparated into two sections mainly concentrating onthese two topics. There are abundant and diverse avonoids with carbohydrates and alkaloids (betalain alkaloids and other alkaloids), phenols marins, lignans, quinines, and other phenolics), terpenoids (monoterpenoids, sesquiterpene lactones, triperpenoid saponins, carotenoids, and other t- penoids), and minerals as micronutritionalphytochemicals in fruits and v- etables of our daily diets. Among these phytochemicals, the speci c functionality in relation to age-related diseases such as avonoids have hypertension, diabetes, cardiacinfarction, cataracts, and cancer. The authors of each chapter in the rst section have presented their evidence in relation to the mechanism of the preventative and the rapeutic ability of the compounds. The rst chapter, Functionality of Anthocyanins as Alternative Medicine byNoboruMotohashiandHiroshiSakagami, presentstheirantioxidantme- anism for anthocyanidins, which are present in common foods. It is possible that anthocyanins may have been used both preventatively and clinically as part of many folklore medicines worldwide and may have provided heal- carebene tssincetheappearanceofmankindsome7.5millionyearsago.The review willinform the reader as to their functionalityand mechanism. The second chapter, Bioactive Mechanism of Interaction between Ant- cyanins and Macromolecules Like DNA and Proteins by Seetharamappa J- dappagari, Noboru Motohashi, Mamatha P.Gangeenahalli, and James H. N- smith, presents the biological activities of anthocyanins, and the interactions of anthocyanins with DNA and protein. Anthocyanins might protect against damage to health by some types of harmful oxidants through various me- anisms such as their antioxidative activity, protein active site binding, and chelating complex formation. The review presents the interesting interactive mechanism of anthocyanin DNA complex formation. 283 pp. Englisch.



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