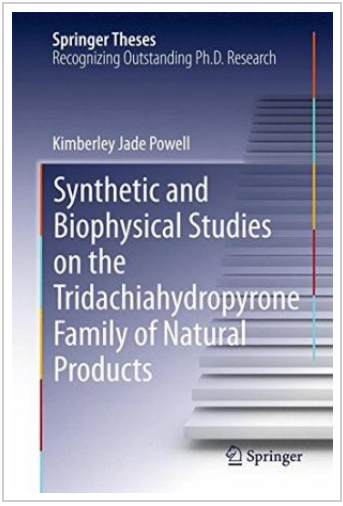

Synthetic and Biophysical Studies on the Tridachiahydropyrone Family of Natural Products

By Kimberley Jade Powell

Springer-Verlag Gmbh Nov 2015, 2015. Buch. Book Condition: Neu. 244x164x14 mm. Neuware - This thesis addresses fundamental scientific questions such as: How are complex natural products synthesized in vivo Can we replicate these conditions in a laboratory environment What is the biological function of such secondary metabolites What are the biological origins of chirality These issues are explored in an accessible manner using a multidisciplinary approach spanning chemistry, biology and physics to investigate an interesting family of complex natural products isolated from marine molluscs - the tridachiahydropyrones. The work has achieved: Elegant biomimetic syntheses of a number of the tridachiahydropyrone compounds in vitro using organic synthesis techniques The characterization of the interactions between these compounds and a range of model membrane systems using a series of fluorescence spectroscopic studies The investigation of the antioxidant and photoprotective properties of the compounds by means of biophysical assay techniques The synthesis of tridachiahydropyrone utilizing the model membrane systems as biomimetic reaction media. 136 pp. Englisch.

Reviews

These sorts of pdf is the greatest publication readily available. It can be rally intriguing throgh looking at time. You can expect to like how the blogger publish this book.

-- ***Prof. Eric Kuvalis II***

It is an amazing publication which i actually have at any time go through. It really is writter in easy words and phrases rather than hard to understand. Its been developed in an extremely easy way which is merely following i finished reading through this pdf in which actually changed me, affect the way i think.

-- ***Garry Lind***