



Chondroitin Sulfate: Structure, Role and Pharmacological Activity (Advances in Pharmacology, Vol. 53)

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CS is an unbranched, polydisperse, complex glycosaminoglycan extracted and purified from various tissues. This polyanion is interacting with both plasma and cells, it is able to modulate many biochemical and physiologic processes. Due to the presence of sulfate groups in different amounts and located in various positions, CS represents a very heterogeneous family of polysaccharides. therefore, the preparative approach and the analytical techniques are of paramount importance to produce CS with specific structure and properties and of pharmaceutical grade.

*Includes recent technologies and methodologies to study and understand the structure and properties of chondroitin sulfate (CS)

*Authoritative contributors from the scientific community with expertise in the field of CS and complex polysaccharides

*Detailed and accurate figures to describe and illustrate complex molecular and macromolecular structures and properties

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Editorial Review

From the Back Cover

Chondroitin sulfate, like other natural sulfated polysaccharides such as heparin, heparan sulfate, dermatan sulfate and keratan sulfate, is a complex macromolecule distributed among all organisms possessing a wide variety of biological functions. It is now apparent that chondroitin sulfate, and associated proteoglycans, shows implication of its sulfation pattern on growth factor binding and activities, in the development of atherosclerosis and tumor progression, in the central nervous system, and in placental malaria. Furthermore, chondroitin sulfate derived drugs may exhibit marked pharmacological activity with special emphasis on its immunological and antioxidant activities and useful in the treatment of osteoarthritis.

Features:

- Includes structure of chondroitin sulfate and the most advanced preparative and analytical techniques to determine its structure and properties
- Discusses biological role of chondroitin sulfate and its pharmacological activities
- Provides a comprehensive knowledge of chondroitin sulfate clinical efficacy and trials.

Users Review

From reader reviews:

Corene Albert:

This Chondroitin Sulfate: Structure, Role and Pharmacological Activity (Advances in Pharmacology, Vol. 53) is great reserve for you because the content that is full of information for you who have always deal with world and get to make decision every minute. This particular book reveal it information accurately using great manage word or we can state no rambling sentences included. So if you are read it hurriedly you can have whole facts in it. Doesn't mean it only offers you straight forward sentences but challenging core information with lovely delivering sentences. Having Chondroitin Sulfate: Structure, Role and Pharmacological Activity (Advances in Pharmacology, Vol. 53) in your hand like having the world in your arm, facts in it is not ridiculous 1. We can say that no guide that offer you world throughout ten or fifteen tiny right but this e-book already do that. So , this can be good reading book. Heya Mr. and Mrs. busy do you still doubt that will?

Ila Robinette:

The book untitled Chondroitin Sulfate: Structure, Role and Pharmacological Activity (Advances in Pharmacology, Vol. 53) contain a lot of information on it. The writer explains the girl idea with easy approach. The language is very simple to implement all the people, so do not necessarily worry, you can easy to read the idea. The book was compiled by famous author. The author gives you in the new age of literary works. It is easy to read this book because you can keep reading your smart phone, or model, so you can read the book within anywhere and anytime. In a situation you wish to purchase the e-book, you can available their official web-site in addition to order it. Have a nice go through.

Anne Bonk:

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