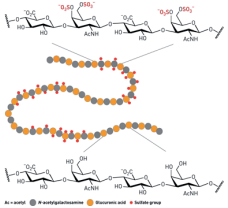
EQUISTRO®

Description:

Chondroitin sulfate is a sulfated glycosaminoglycan (GAG), a naturally found polymer of linear repeating units of sugars (N-acetylgalactosamine and D-glucuronic acid). It is usually found attached to proteins as part of a proteoglycan. A chondroitin chain can have over 100 individual sugars, each of which can be sulfated in variable positions and quantities. Chondroitin sulfate A is found in humans in cartilage, bone, cornea, skin and the arterial wall. Chondroitin sulfate B is also known as dermatan sulfate. It is abundant in skin and is also found in heart valves, tendons and arterial walls. Chondroitin sulfate C is primarily found in fish and shark cartilage.



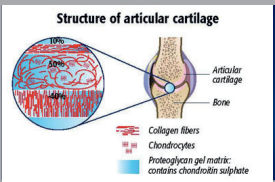
Properties:

Chondroitin sulfate is an important structural component of cartilage and provides much of its resistance to compression. Chondroitin sulphate, as a component of proteoglycans, functions to form strong but flexible cross-linked bridges by binding to collagen fibrils within cartilaginous tissue. This allows cartilage to resist tensile stresses during various loading conditions. As a dietary supplement chondroitin sulfate is claimed to maintain of the structure and function of cartilage (referred to as chondroprotection), pain relief of osteoarthritic joints and anti-inflammatory activity.

Possible uses:

Along with glucosamine, chondroitin sulfate has become a widely used dietary supplement for treatment of osteoarthritis. In degenerative joint disease, such as osteoarthritis, there is a loss of chondroitin sulfate as the cartilage erodes. Studies indicate that chondroitin sulfate may support healing of bone, which is consistent with the fact that the majority of glycosaminoglycans found in bone consist of chondroitin sulfate. So, older horses with degenerative cartilages and sport horses with damages due to repeated forces on their joints, are candidates for chondroitin sulphate use by oral administration. It could also permit to reduce non steroidal anti-inflammatory drug use and avoid their side-effects.

CHONDROITIN SULFATE



Vétoquinol
Signe de Passion