



Chondroitin Sulfate

VASTNESS BIOTECH CO.,LTD



Chondroitin Sulfate Description

Chondroitin sulfate Chondroitin sulfate is a kind of viscous liquid polysaccharide that exists in the connective tissue of animals and has a high content in cartilage tissue. In addition, it also exists in the skin, tendons, and blood vessels, acting as an adhesive between cells.

Chondroitin sulfate is a white powder, odorless, tasteless, highly absorbent, easily soluble in water to form a solution with high viscosity, insoluble in ethanol, acetone, ether and other organic solvents, its salts are relatively stable to heat, and do not damage when heated at 80 °C. Free Chondroitin sulfate aqueous solution is unstable when encountering high temperature or acid, mainly due to deacetylation or degradation to monosaccharide or polysaccharide with small molecular weight.

Although Chondroitin sulfate can be synthesized in vivo, it will gradually decrease with age. The body of middle-aged and elderly people can only produce about 20 milligrams per day, so it is necessary to supplement it with dietary supplements. The recommended intake for adults is 400 milligrams per day.



Chondroitin Sulfate Specifications

Product Code	Specifications	Source
SY-501001-1	Chondroitin Sulfate EP	Bovine
SY-501002-1	Chondroitin Sulfate USP	Bovine
SY-501003-1	Chondroitin Sulfate EP	Shark
SY-501004-1	Chondroitin Sulfate USP	Shark

Chondroitin Sulfate Function:

Chondroitin Sulfate is widely used for skin care, joint health, and overall health maintenance. Here are some common Chondroitin Sulfate products and their efficacy applications:

- **Maintenance of joint health:** Chondroitin sulfate is believed to promote cell growth and repair and help maintain joint health. It can provide the nutrients needed to construct joint cartilage, promote the growth of chondrocytes and the synthesis of cell matrix.
- **Promote cartilage repair:** Chondroitin sulfate may stimulate the activity and regeneration of chondrocytes, thus promoting the repair process of cartilage tissue. It can promote the proliferation and synthesis of chondrocytes, helping to repair damaged cartilage tissue.
- **Alleviate arthritis symptoms:** Chondroitin sulfate is commonly used to treat arthritis, which can reduce joint pain, inflammation and stiffness. It may work by reducing friction and wear between joints, improving joint function, and reducing inflammatory reactions.
- **Provide joint lubrication:** Chondroitin sulfate is believed to increase the viscosity and concentration of synovial fluid in joints, so as to provide better lubrication effect. This helps to reduce joint friction and wear, protecting joint tissue.
- **Anti inflammatory effect:** Chondroitin sulfate may have anti-inflammatory effect, which can reduce the inflammatory reaction caused by arthritis. It may function by inhibiting the activation of inflammatory pathways and reducing the release of inflammatory mediators.

Chondroitin Sulfate Application:

Chondroitin sulfate is a common glucosamine glycan, which is widely used in joint health and treatment of Osteoarthritis and other diseases. The following are general guidelines for the application and dosage recommendations of Chondroitin sulfate:

Joint health: Chondroitin sulfate can help maintain joint health, promote joint fluid production, and reduce joint pain and inflammation. It is usually used in conjunction with other supplements such as glucosamine.

Osteoarthritis: Chondroitin sulfate is one of the commonly used supplements for Osteoarthritis. It can alleviate pain, improve joint function, and help slow down the

progression of the condition. However, the therapeutic effect varies from individual to individual.

Dose recommendation:

The recommended dosage of Chondroitin sulfate varies according to individual conditions and specific products. Generally speaking, the following doses are available for reference:

Initial dose: It is usually recommended to start with a daily dose of 800 to 1200 milligrams.

Maintenance dose: Based on the initial dose, it can be gradually reduced to 400 milligrams to 800 milligrams per day.

Please note that the specific selection of dosage should follow the advice of a doctor or pharmacist, and should be adjusted based on individual condition, severity of the condition, and product description.

In addition, Chondroitin sulfate is generally considered safe, but some people may be allergic to it or have side effects such as gastrointestinal discomfort. If you have any specific health issues or are taking other medications, it is recommended to consult a doctor or professional healthcare provider for more accurate dosage recommendations and personalized treatment plans.



Please reach out to us if you need any product of Chondroitin Sulfate Series

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