

## Product Information

### Heparin agent, Chondroitin sulfate-heparin, Purity $\geq 95\%$

**Cat. No.:** X25-05-YM038

**Size:** 100 mg; 250 mg; 500 mg; 1 g; 5 g

**Synonym:** Heparin-chondroitin sulfate; Heparin-chondroitin sulfate; Chondroitin sulfate-heparin

**This product is for research use only and is not intended for diagnostic use.**

#### Product Information

|                         |   |
|-------------------------|---|
| <b>Description</b>      | Heparin-chondroitin sulfate glycosaminoglycan blend creates a sulfated polysaccharide matrix with dual anticoagulant and chondroprotective activities through controlled co-precipitation methods.  |
| <b>Glycan Name</b>      | Chondroitin sulfate   |
| <b>Glycan Structure</b> | The glycan structure of chondroitin sulfate (CS) is a sulfated glycosaminoglycan (GAG) composed of repeating disaccharide units. Each unit consists of: N-acetyl-D-galactosamine (GalNAc) ( $\beta 1 \rightarrow 4$ linked) D-glucuronic acid (GlcA) ( $\beta 1 \rightarrow 40$ linked) |
| <b>Source</b>           | Chemical synthesis  |
| <b>Functional Group</b> | Heparin   |
| <b>Form</b>             | Solid or powder   |
| <b>Purity</b>           | $\geq 95\%$   |
| <b>Impurities</b>       | No visible impurities to the naked eye.   |
| <b>Solubility</b>       | This product is soluble in most organic solvents, such as DCM, DMF, DMSO, and THF, and exhibits excellent solubility in water.  |
| <b>Identity</b>         | Confirmed by NMR.   |
| <b>Stability</b>        | It is stable under its storage temperature.   |
| <b>Quality Level</b>    | Research level  |
| <b>Applications</b>     | Chondroitin sulfate-heparin can be used for its potential to design adamantane-conjugated systems for host-guest molecular recognition.   |
| <b>Storage</b>          | Store at $-20^{\circ}\text{C}$ , protect from light and moisture.   |