

Product Information

Leu agent, Chondroitin sulfate-leucine, Purity $\geq 95\%$

Cat. No.: X25-05-YM047

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

Synonym: Leucine-chondroitin sulfate; Leu-chondroitin sulfate; Chondroitin sulfate-Leu

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

Product Information

| | |
|-------------------------|---|
| Description | Leucine-chondroitin sulfate hydrophobic conjugate balances amphiphilicity through controlled substitution of the aliphatic side chain onto chondroitin's hydrophilic backbone. |
| Glycan Name | Chondroitin sulfate |
| Glycan Structure | 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) ($\beta 1 \rightarrow 49$ linked) |
| Source | Chemical synthesis |
| Functional Group | Leu |
| Form | Solid or powder |
| Purity | $\geq 95\%$ |
| Impurities | No visible impurities to the naked eye. |
| Solubility | This product is soluble in most organic solvents, such as DCM, DMF, DMSO, and THF, and exhibits excellent solubility in water. |
| Identity | Confirmed by NMR. |
| Stability | It is stable under its storage temperature. |
| Quality Level | Research level |
| Applications | Chondroitin sulfate-leucine can be used for its potential to develop tyrosine kinase-targeting probes for phosphorylation studies. |
| Storage | Store at -20°C , protect from light and moisture. |