

Product Information

Asp agent, Chondroitin sulfate-aspartic, Purity $\geq 95\%$

Cat. No.: X25-05-YM052

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

Synonym: Aspartic-chondroitin sulfate; Asp-chondroitin sulfate; Chondroitin sulfate-Asp

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

Product Information

Description	Aspartic acid-chondroitin sulfate anionic polymer increases charge density through additional carboxyl group conjugation, enhancing calcium-binding capacity.
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) ($\beta 1 \rightarrow 54$ linked)
Source	Chemical synthesis
Functional Group	Asp
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-aspartic can be used for its potential to develop glutaric acid linkers for pH-sensitive conjugate cleavage.
Storage	Store at -20°C , protect from light and moisture.