

Product Information

Fucosylated chondroitin sulfate, Purity $\geq 95\%$

Cat. No.: X25-05-YM145

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

Synonym: Fucosylated chondroitin sulfate (synonym: fucose-CS) is a structurally modified glycosaminoglycan derivative characterized by covalent attachment of fucose residues to the chondroitin sulfate backbone, combining the native anti-inflammatory properties of chondroitin with fucose's role in cellular recognition processes.

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

Product Information

Description	Fucosylated chondroitin sulfate (synonym: fucose-CS) is a structurally modified glycosaminoglycan derivative characterized by covalent attachment of fucose residues to the chondroitin sulfate backbone, combining the native anti-inflammatory properties of chondroitin with fucose's role in cellular recognition processes.
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) ($\beta 1 \rightarrow 147$ linked)
Source	Chemical synthesis
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	Fucosylated chondroitin sulfate can be used for its potential to investigate fucose-modified sulfation patterns in glycosaminoglycan signaling.
Storage	Store at -20°C , protect from light and moisture.