

Product Information

Vinylsulfone agent, Chondroitin sulfate-vinylsulfone, Purity $\geq 95\%$

Cat. No.: X25-05-YM073

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

Synonym: Vinylsulfone-chondroitin sulfate; Vinylsulfone-chondroitin sulfate; Chondroitin sulfate-vinylsulfone

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

Product Information

Description	Vinyl sulfone-chondroitin sulfate clickable platform provides thiol-reactive sites for Michael addition conjugation, enabling modular attachment of cysteine-containing ligands.
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) ($\beta 1 \rightarrow 75$ linked)
Source	Chemical synthesis
Functional Group	Vinylsulfone
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-vinylsulfone can be used for its potential to test cyclooctyne derivatives for strain-promoted azide-alkyne cycloaddition.
Storage	Store at -20°C , protect from light and moisture.