

## Product Information

### Methacrylate agent, Chondroitin sulfate-methacrylate, Purity $\geq 95\%$

**Cat. No.:** X25-05-YM072

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

**Synonym:** Methacrylate-chondroitin sulfate; Methacrylate-chondroitin sulfate; Chondroitin sulfate-methacrylate

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

#### Product Information

<b>Description</b>	Methacrylate-chondroitin sulfate crosslinkable derivative incorporates vinyl groups <i>via</i> carbodiimide chemistry, allowing radical polymerization into structured hydrogels.
<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) ( $\beta 1 \rightarrow 74$ linked)
<b>Source</b>	Chemical synthesis
<b>Functional Group</b>	Methacrylate
<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-methacrylate can be used for its potential to utilize biotin tags for affinity-based purification of polymer conjugates.
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ , protect from light and moisture.