

Product Information

Aldehyde agent, Chondroitin sulfate-CHO, Purity $\geq 95\%$

Cat. No.: X25-05-YM094

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

Synonym: CHO-chondroitin sulfate; Aldehyde-chondroitin sulfate; Chondroitin sulfate-aldehyde

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

Product Information

Description	Aldehyde-chondroitin sulfate oxidized derivative is generated through periodate cleavage of vicinal diols, creating reactive carbonyl groups for Schiff base formation.
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) ($\beta 1 \rightarrow 96$ linked)
Source	Chemical synthesis
Functional Group	Aldehyde
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-CHO can be used for its potential to study folic acid conjugation efficiency in competitive binding assays.
Storage	Store at -20°C , protect from light and moisture.