

Product Information

PLA agent, Chondroitin sulfate-poly lactide, Purity $\geq 95\%$

Cat. No.: X25-05-YM141

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

Synonym: Poly lactide-chondroitin sulfate; PLA-chondroitin sulfate; Chondroitin sulfate-PLA

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

Product Information

Description	PLA-blended chondroitin sulfate (PLA-CS) forms biodegradable composites through lactide ring-opening polymerization, enhancing mechanical strength for tissue scaffolds.
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) ($\beta 1 \rightarrow 143$ linked)
Source	Chemical synthesis
Functional Group	PLA
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-poly lactide can be used for its potential to engineer crystallinity-tunable polyesters for mechanical property modulation.
Storage	Store at -20°C , protect from light and moisture.