

Product Information

Polycaprolactone agent, Hyaluronate-PCL, Purity $\geq 95\%$

Cat. No.: X25-04-YM1413

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

Synonym: Polycaprolactone-hyaluronate

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

Product Information

Description	PCL-modified hyaluronic acid (hyaluronate-PCL) attaches polycaprolactone chains to carbohydrate backbones, improving mechanical strength for load-bearing tissue applications.
Glycan Name	Hyaluronate
Glycan Structure	The glycan structure of hyaluronate (hyaluronic acid, HA) is a linear, non-sulfated glycosaminoglycan composed of repeating disaccharide units.
Source	Chemical synthesis
Functional Group	Polycaprolactone
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	Hyaluronate-PCL plays a key role in enabling precise control over hydrogel porosity for tissue engineering models.
Storage	Store at -20°C , protect from light and moisture.