CD BioGlyco
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Product Information

Poly aspartic acid agent, Xylan-poly aspartic acid, Purity ≥95%

Cat. No.: X25-05-YM844

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

Synonym: Xylan-poly aspartic acid; Poly aspartic acid-xylan

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

Product Information

Description	Poly aspartic acid-xylan conjugation represents an anionic polymer hybrid combining carboxylate groups with xylan's β-1,4-linked xylose matrix. The system benefits from the carbohydrate's hydration capacity and ionic interaction properties.
Glycan Name	Xylan
Glycan Structure	Its glycan structure is a linear backbone of β-1,4-linked D-xylose residues with side-chain substitutions including α-linked arabinofuranose, glucuronic acid/4-O-methyl-glucuronic acid, and acetyl groups at O-2 or O-3 positions.
Source	Chemical synthesis
Functional Group	Poly aspartic acid
Form	Solid or powder
Purity	≥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 grade
Applications	Xylan-poly aspartic acid can be used for its potential to analyze dynamic hydrogel network formation *via* reversible Schiff base chemistry.
Storage	Store at -20°C, protect from light and moisture.