

Product Information

PAE agent, Xylan-poly(β -amino ester), Purity $\geq 95\%$

Cat. No.: X25-05-YM827

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

Synonym: Xylan-poly(β -amino ester); PAE-xylan

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

Product Information

Description	Poly(β -amino ester)-xylan conjugation represents a polymer-polymer hybrid combining cationic chain properties with xylan's natural β -1,4-xylose scaffold. This composite architecture enhances aqueous stability through synergistic hydration of both components.
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	PAE
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 grade
Applications	Xylan-poly(β -amino ester) can be used for its potential to investigate lipoprotein receptor-mediated transport in neurodegenerative disease models.
Storage	Store at -20°C , protect from light and moisture.