

Product Information

PPS agent, Xylan-polyphenylene sulfide, Purity $\geq 95\%$

Cat. No.: X25-05-YM819

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

Synonym: Xylan-polyphenylene sulfide; PPS-xylan

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

Product Information

Description	Xylan-polyphenylene sulfide conjugation forms a unique polymer composite combining synthetic resin properties with xylan's natural β -1,4-xylose scaffold. This hybrid architecture enhances solubility characteristics through the polysaccharide's hydration capacity.
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	PPS
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-polyphenylene sulfide can be used for its potential to create anticoagulant hybrids for studying thrombosis prevention in microfluidic models.
Storage	Store at -20°C , protect from light and moisture.