

Product Information

Angiopep agent, Xylan-angiopep, Purity $\geq 95\%$

Cat. No.: X25-05-YM829

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

Synonym: Xylan-angiopep; Angiopep-xylan

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

Product Information

Description	Angiopep-xylan conjugation creates a blood-brain barrier-targeting hybrid merging peptide vectors with xylan's β -1,4-xylose framework from renewable resources. This biomaterial design benefits from the polysaccharide's hydration capacity and eco-friendly degradation profile.
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	Angiopep
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-angiopep can be used for its potential to analyze thermoresponsive phase transition behavior in peptide-modified hydrogels.
Storage	Store at -20°C , protect from light and moisture.