

Product Information

Pep-1 agent, Xylan-Pep-1 peptide, Purity $\geq 95\%$

Cat. No.: X25-05-YM815

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

Synonym: Xylan-Pep-1 peptide; Pep-1-xylan

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

Product Information

Description	Pep-1 peptide conjugation to xylan produces a biomolecular hybrid fusing cell-penetrating capabilities with xylan's β -1,4-xylose scaffold from plant sources. The polysaccharide matrix contributes to improved solution behavior through water-compatible polymer chains.
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	Pep-1
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-Pep-1 peptide can be used for its potential to investigate macrolide antibiotic accumulation in phagolysosomal compartment models.
Storage	Store at -20°C , protect from light and moisture.