

Product Information

MMP agent, Xylan-MMP peptide, Purity $\geq 95\%$

Cat. No.: X25-05-YM849

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

Synonym: Xylan-MMP peptide; MMP-xylan

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

Product Information

Description	MMP peptide-xylan conjugation represents a protease-sensitive hybrid combining cleavage motifs with xylan's β -1,4-xylose framework. This biomaterial implementation benefits from the carbohydrate's biodegradability and hydration 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	MMP
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-MMP peptide can be used for its potential to study biomineralization processes using acidic amino acid chelating groups.
Storage	Store at -20°C , protect from light and moisture.