

Product Information

CTT2 agent, Xylan-PEG-CTT2 peptide, Purity $\geq 95\%$

Cat. No.: X25-05-YM1007

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

Synonym: Xylan-PEG-CTT2 peptide; CTT2-PEG-xylan

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

Product Information

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Xylan-PEG-CTT2 peptide forms a three-element molecular assembly designed to amalgamate xylan's renewable polymeric architecture—composed of β -1,4-xylose units obtained from phylogenetic hemicellulose materials—with CTT2 peptide's bioactive properties <i>via</i> PEG-mediated linkage. The polysaccharide framework ensures hydration capacity and surface adhesion performance that optimize biological interface compatibility. |
| Molecular Formula | 0 |
| 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 |
| 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-PEG-CTT2 peptide can be used for its potential to target fibronectin-rich tumor microenvironments using CTT2 peptide-guided delivery systems. |
| Storage | Store at -20°C , protect from light and moisture. |