

Product Information

SP94 agent, Xylan-SP94 peptide, Purity $\geq 95\%$

Cat. No.: X25-05-YM834

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

Synonym: Xylan-SP94 peptide; SP94-xylan

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

Product Information

Description	SP94 peptide conjugation to xylan yields a tumor-targeting hybrid system combining peptide recognition motifs with xylan's β -1,4-linked xylose network. The carbohydrate matrix contributes to improved aqueous stability through its hydrophilic 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	SP94
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-SP94 peptide can be used for its potential to investigate integrin-mediated cellular uptake in biomimetic 3D extracellular matrices.
Storage	Store at -20°C , protect from light and moisture.