

Product Information

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

Cat. No.: X25-05-YM840

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

Synonym: Xylan-YIGSR peptide; YIGSR-xylan

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

Product Information

Description	YIGSR peptide conjugation to xylan yields a laminin-mimetic hybrid combining receptor-binding motifs with xylan's β -1,4-linked xylose architecture. The carbohydrate matrix improves solution stability through hydrophilic chain interactions.
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	YIGSR
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-YIGSR peptide can be used for its potential to design cationic polymer coatings for surface charge-dependent cellular adhesion studies.
Storage	Store at -20°C , protect from light and moisture.