

Product Information

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

Cat. No.: X25-05-YM855

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

Synonym: Xylan-NGR peptide; NGR-xylan

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

Product Information

Description	NGR peptide-xylan conjugation produces a tumor-homing hybrid combining asparagine-glycine-arginine motifs with xylan's β -1,4-xylose scaffold. This system benefits from the carbohydrate's hydration capacity and biodegradable matrix.
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	NGR
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-NGR peptide can be used for its potential to study epoxy ring-opening kinetics in covalent biomaterial scaffold fabrication.
Storage	Store at -20°C , protect from light and moisture.