

Product Information

Arg agent, Xylan-arginine, Purity $\geq 95\%$

Cat. No.: X25-05-YM854

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

Synonym: Xylan-arginine; Arg-xylan

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

Product Information

Description	Arginine-xylan conjugation creates a guanidinium-rich hybrid combining basic amino acid properties with xylan's β -1,4-linked xylose architecture. The composite demonstrates enhanced solubility through ionic hydration effects.
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	Arg
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-arginine can be used for its potential to design electrophoretic separation matrices through crosslinked polymer networks.
Storage	Store at -20°C , protect from light and moisture.