

Product Information

Adamantine agent, Xylan-adamantine, Purity $\geq 95\%$

Cat. No.: X25-05-YM812

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

Synonym: Xylan-adamantine; Adamantine-xylan

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

Product Information

Description	The adamantane-xylan composite merges the hydrocarbon's molecular properties with xylan's β -1,4-xylose framework derived from botanical sources. This conjugation benefits from the carbohydrate's biodegradability and solution-enhancing polymer characteristics.
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	Adamantine
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-adamantine can be used for its potential to study dendritic cell activation mechanisms using ovalbumin-polysaccharide complexes.
Storage	Store at -20°C , protect from light and moisture.