CD BioGlyco
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Product Information

Hydrazide agent, Xylan-PEG-hydrazide, Purity ≥95%

Cat. No.: X25-05-YM1061

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

Synonym: Xylan-PEG-hydrazide; Hydrazide-PEG-xylan

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

Product Information

Description	Xylan-PEG-hydrazide represents a tripartite assembly engineered to merge the renewable structural elements of xylan—a plant-derived polysaccharide consisting of β-1,4-xylose units—with hydrazide group's molecular properties *via* PEG spacer linkage. The hydrophilic carbohydrate backbone provides aqueous environment affinity and mucosal adhesion performance that optimize biological system acceptance.
Molecular Formula	0
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
Form	Solid or powder
Purity	≥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-PEG-hydrazide can be used for its potential to develop NOTA-functionalized probes for radiometal coordination in PET imaging research.
Storage	Store at -20°C, protect from light and moisture.