CD BioGlyco
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Product Information

Cy3 agent, Xylan-PEG-Cyanine3, Purity ≥95%

Cat. No.: X25-05-YM1051

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

Synonym: Xylan-PEG-Cyanine3; Cy3-PEG-xylan

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

Product Information

Description	Xylan-PEG-Cyanine3 creates a tri-component conjugate system formulated to integrate the ecologically favorable carbohydrate architecture of xylan—a β-1,4-xylose-based biopolymer derived from plant hemicellulose sources—with Cy3's molecular profile *via* PEG-mediated conjugation. The polysaccharide component contributes water compatibility and surface adhesion performance that improve biocompatibility parameters.
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-Cyanine3 can be used for its potential to enable disulfide bond exchange studies through orthopyridyl redox-responsive linkers.
Storage	Store at -20°C, protect from light and moisture.