



Product Information

Ce6 agent, Xylan-PEG-chlorin e6, Purity ≥95%

Cat. No.: X25-05-YM1065

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

Synonym: Xylan-PEG-chlorin e6; Ce6-PEG-xylan

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

Product Information

Description	Xylan-PEG-chlorin e6 represents a three-element assembly engineered to amalgamate the sustainable structural components of xylan—a plant-based polysaccharide consisting of β -1,4-xylose units—with Ce6's molecular properties <i>via</i> PEG spacer conjugation. The hydrophilic carbohydrate backbone provides aqueous medium affinity and tissue adhesion performance that enhance biological material 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-chlorin e6 can be used for its potential to investigate acrylamide crosslinking density effects on hydrogel mechanical properties.
Storage	Store at -20°C, protect from light and moisture.