



Product Information

CHEMS agent, Xylan-PEG-cholesterol hemisuccinate, Purity $\geq 95\%$

Cat. No.: X25-05-YM1047

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

Synonym: Xylan-PEG-cholesterol hemisuccinate; CHEMS-PEG-xylan

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

Product Information

Description	Xylan-PEG-cholesterol hemisuccinate creates a tripartite conjugate system formulated to integrate the sustainable architectural elements of xylan—a β -1,4-xylose-based biopolymer obtained from plant hemicellulose sources—with CHEMS's molecular profile <i>via</i> PEG-mediated bridging. The polysaccharide matrix ensures water compatibility and tissue adhesion performance that enhance biological system adaptability.
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	$\geq 95\%$
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-PEG-cholesterol hemisuccinate can be used for its potential to investigate tumor hypoxia targeting using porphyrin conjugates in photodynamic studies.
Storage	Store at -20°C , protect from light and moisture.