CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

DPPE agent, Xylan-PEG-1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine, Purity ≥95%

Cat. No.: X25-05-YM1040

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

Synonym: Xylan-PEG-1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine; DPPE-PEG-xylan

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

Product Information

Description	Xylan-PEG-1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine constitutes a three-element molecular hybrid developed to synergize xylan's renewable carbohydrate matrix—composed of β-1,4-linked xylose residues obtained from vegetative hemicellulose materials—with DPPE's biochemical attributes through polyethylene glycol intermediation. The natural biopolymer component contributes hydration maintenance and mucous membrane adherence capabilities while optimizing 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	≥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-1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine can be used for its potential to study lipid raft integration using phospholipid-conjugated nanoparticle formulations.
Storage	Store at -20°C, protect from light and moisture.