

Product Information

Polyacetal agent, Lentinan-PEG-polyacetal, Purity $\geq 95\%$

Cat. No.: X25-05-YM702

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

Synonym: Lentinan-PEG-polyacetal; Polyacetal-PEG-Lentinan

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

Product Information

Description	Lentinan-PEG-polyacetal, labeled polyacetal-lentinan, generates a pH-sensitive polymer conjugate via PEG chains bonding acetal-containing polymers to lentinan's glucan structure. This acid-degradable hybrid maintains helical integrity while enabling tumor microenvironment-responsive drug release.
Glycan Structure	Its glycan structure is a β -(1 \rightarrow 3)-linked d-glucose backbone with β -(1 \rightarrow 6)-glucosyl side branches.
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	Lentinan-PEG-polyacetal can be used for its potential to study DPPE-PEG conjugates for liposome-protein interaction analysis in vaccine adjuvant research.
Storage	Store at -20°C , protect from light and moisture.