

Product Information

DLPE agent, Lentinan-1,2-dilauroyl-sn-glycero-3-phosphoethanolamine, Purity $\geq 95\%$

Cat. No.: X25-05-YM602

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

Synonym: Lentinan-1,2-dilauroyl-sn-glycero-3-phosphoethanolamine; 1,2-Dilauroyl-sn-glycero-3-phosphoethanolamine-Lentinan

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

Product Information

Description	Lentinan-1,2-dilauroyl-sn-glycero-3-phosphoethanolamine, called DLPE-lentinan, represents a modern molecular fusion combining the immunomodulatory β -1,3-1,6-glucan lentinan with DLPE. This composite design leverages lentinan's helical tertiary architecture and anti-tumor capabilities through thymus-dependent immune response activation pathways.
Glycan Name	Lentinan
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
Functional Group	DLPE
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-1,2-dilauroyl-sn-glycero-3-phosphoethanolamine can be used for its potential to test DLPE conjugates for pulmonary surfactant interaction studies in aerosolized nanoparticle formulations.
Storage	Store at -20°C , protect from light and moisture.