

Product Information

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

Cat. No.: X25-05-YM578

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

Synonym: Lentinan-1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine; 1,2-Dipalmitoyl-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-dipalmitoyl-sn-glycero-3-phosphoethanolamine, designated DPPE-lentinan, comprises a modern molecular hybrid coupling the immunomodulatory β -1,3-1,6-glucan lentinan with DPPE. This amalgamated entity leverages lentinan's helical tertiary architecture and anti-tumor properties 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	DPPE
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-dipalmitoyl-sn-glycero-3-phosphoethanolamine can be used for its potential to design DPPE-coupled systems to study lipid-polymer hybrid nanoparticle interactions with lung surfactants.
Storage	Store at -20°C , protect from light and moisture.