

Product Information

Cholesterol agent, Lentinan-cholesterol, Purity $\geq 95\%$

Cat. No.: X25-05-YM584

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

Synonym: Lentinan-cholesterol; Cholesterol-Lentinan

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

Product Information

Description	Lentinan-cholesterol, known as cholesterol-lentinan, forms a novel conjugate coupling the immunotherapeutic β -1,3-1,6-glucan lentinan with cholesterol. This engineered structure applies lentinan's three-dimensional helical configuration and tumor-inhibitory characteristics through thymic-oriented immune 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	Cholesterol
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-cholesterol can be used for its potential to study cholesterol conjugates for lipid nanoparticle formulation in mRNA vaccine delivery research.
Storage	Store at -20°C , protect from light and moisture.