

Product Information

CD agent, Lentinan-PEG-cyclodextrin, Purity $\geq 95\%$

Cat. No.: X25-05-YM796

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

Synonym: Lentinan-PEG-cyclodextrin; Cyclodextrin-PEG-Lentinan

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

Product Information

Description	Lentinan-PEG-cyclodextrin, designated as CD-lentinan, describes a host-guest conjugate formed by cyclodextrin attachment to lentinan's β -glucan through PEG linkages. The molecular encapsulation system combines drug complexation capacity with lentinan's macrophage-activating effects and DPPS membrane interactions.
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-cyclodextrin can be used for its potential to enhance drug solubility through cyclodextrin inclusion complex formation in aqueous systems.
Storage	Store at -20°C , protect from light and moisture.