

Product Information

Streptavidin agent, Lentinan-PEG-streptavidin, Purity $\geq 95\%$

Cat. No.: X25-05-YM732

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

Synonym: Lentinan-PEG-streptavidin; Streptavidin-PEG-Lentinan

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

Product Information

Description	Lentinan-PEG-streptavidin, called streptavidin-lentinan, constitutes a protein-polysaccharide complex where streptavidin molecules are tethered to lentinan's triple-helix structure <i>via</i> PEG connectors. The assembly enables biotin-binding functionality alongside lentinan's macrophage-activating and DPPS-mediated membrane effects.
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-streptavidin can be used for its potential to design streptavidin-bridged assemblies for multivalent biotin-binding avidity measurements.
Storage	Store at -20°C , protect from light and moisture.