

Product Information

PPS agent, Lentinan-PEG-polyphenylene sulfide, Purity $\geq 95\%$

Cat. No.: X25-05-YM768

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

Synonym: Lentinan-PEG-polyphenylene sulfide; Polyphenylene sulfide-PEG-Lentinan

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

Product Information

Description	Lentinan-PEG-polyphenylene sulfide, known as PPS-lentinan, describes a high-performance polymer hybrid formed through PEG-mediated conjugation of PPS to lentinan's β -glucan. The thermally stable system maintains lentinan's immunostimulatory functions alongside DPPS-related fusogenic properties.
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-polyphenylene sulfide can be used for its potential to develop polyphenylene sulfide composites for high-temperature enzyme immobilization.
Storage	Store at -20°C , protect from light and moisture.