

Product Information

Poly-ornithine agent, Lentinan-PEG-poly-ornithine, Purity $\geq 95\%$

Cat. No.: X25-05-YM713

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

Synonym: Lentinan-PEG-poly-ornithine; Poly-ornithine-PEG-Lentinan

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

Product Information

Description	Lentinan-PEG-poly-ornithine, alternatively called poly-ornithine-lentinan, constitutes a hybrid polymer system where lentinan's immunogenic β -glucan framework is chemically tethered to poly-ornithine chains using PEG linkers. The resultant configuration merges lentinan's immunotherapeutic potential with DPPS-derived fusogenic characteristics for dual-action applications.
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-poly-ornithine can be used for its potential to enhance polyplex stability with poly-ornithine modifications in non-viral gene delivery optimization.
Storage	Store at -20°C , protect from light and moisture.