

Product Information

RVG29 agent, Lentinan-PEG-RVG29 peptide, Purity $\geq 95\%$

Cat. No.: X25-05-YM712

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

Synonym: Lentinan-PEG-RVG29 peptide; RVG29 peptide-PEG-Lentinan

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

Product Information

Description	Lentinan-PEG-RVG29 peptide, also known as RVG29-lentinan, represents a composite biomaterial formed by covalently linking lentinan—a triple-helical β -1,3-1,6-glucan with immune-activating properties—to the RVG29 peptide through PEG-based molecular bridges. This engineered structure combines lentinan's macrophage-modulating effects with DPPS-mediated membrane fusion capabilities, establishing a bifunctional therapeutic agent.
Glycan Structure	Its glycan structure is a β -(1→3)-linked d-glucose backbone with β -(1→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-RVG29 peptide can be used for its potential to enable neuron-specific targeting through RVG29 peptide conjugation for blood-brain barrier transport studies.
Storage	Store at -20°C , protect from light and moisture.