CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Poly-arginine agent, Lentinan-PEG-poly-arginine, Purity ≥95%

Cat. No.: X25-05-YM723

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

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

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

Product Information

Description	Lentinan-PEG-poly-arginine, referred to as poly-arginine-lentinan, describes a cationic conjugate created by attaching poly-arginine chains to lentinan's β-glucan structure through PEG spacers. The formulation combines membrane-penetrating abilities with lentinan's macrophage-repolarizing effects and DPPS functionalities.
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	≥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-arginine can be used for its potential to enhance nucleic acid condensation using poly-arginine modifications in CRISPR delivery systems.
Storage	Store at -20°C, protect from light and moisture.