

Product Information

Asp agent, Lentinan-PEG-aspartic, Purity $\geq 95\%$

Cat. No.: X25-05-YM725

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

Synonym: Lentinan-PEG-aspartic; Aspartic-PEG-Lentinan

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

Product Information

Description	Lentinan-PEG-aspartic, designated as Asp-lentinan, consists of an anionic conjugate formed by linking aspartic acid residues to lentinan's β -1,3-1,6-glucan through PEG bridges. The system integrates charge-dependent interactions with lentinan's therapeutic effects and DPPS fusion characteristics.
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-aspartic can be used for its potential to optimize aspartic acid-rich formulations for pH-dependent swelling in smart hydrogel development.
Storage	Store at -20°C , protect from light and moisture.