

Product Information

Phosphoric acid agent, Lentinan-phosphoric acid, Purity $\geq 95\%$

Cat. No.: X25-05-YM555

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

Synonym: Lentinan-phosphoric acid; Phosphoric acid-Lentinan

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

Product Information

Description	Lentinan-phosphoric acid, termed phosphoric acid-lentinan, constitutes a contemporary molecular fusion combining the immune-adjusting β -1,3-1,6-glucan lentinan with phosphoric acid. The hybrid entity employs lentinan's triplex stranded configuration and malignancy-inhibiting potential <i>via</i> thymus-dependent immune system activation pathways.
Glycan Name	Lentinan
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
Functional Group	Phosphoric acid
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-phosphoric acid can be used for its potential to investigate phosphoric acid coupling for mineral-binding applications in biomimetic crystallization.
Storage	Store at -20°C , protect from light and moisture.