

Product Information

Polyacetal agent, Lentinan-polyacetal, Purity $\geq 95\%$

Cat. No.: X25-05-YM580

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

Synonym: Lentinan-polyacetal; Polyacetal-Lentinan

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

Product Information

Description	Lentinan-polyacetal, termed polyacetal-lentinan, constitutes a progressive biochemical fusion merging the immunotherapeutic β -1,3-1,6-glucan lentinan with polyacetal. This hybrid design applies lentinan's three-dimensional helical formation and tumor-inhibitory potential through thymus-dependent immune activation mechanisms.
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	Polyacetal
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-polyacetal can be used for its potential to develop polyacetal hybrids for acid-labile bond cleavage in tumor microenvironment-responsive drug release.
Storage	Store at -20°C , protect from light and moisture.