

Product Information

TCO agent, Lentinan-*trans*-cyclooctene, Purity $\geq 95\%$

Cat. No.: X25-05-YM560

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

Synonym: Lentinan-*trans*-cyclooctene; *Trans*-cyclooctene-Lentinan

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

Product Information

Description	Lentinan- <i>trans</i> -cyclooctene, termed TCO-lentinan, constitutes a progressive conjugate integrating the immunotherapeutic β -1,3-1,6-glucan lentinan with TCO. This hybrid structure applies lentinan's three-dimensional helical configuration and tumor-inhibiting potential through thymus-dependent immune activation processes.
Glycan Name	Lentinan
Glycan Structure	Its glycan structure is a β -(1→3)-linked d-glucose backbone with β -(1→6)-glucosyl side branches.
Source	Chemical synthesis
Functional Group	TCO
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- <i>trans</i> -cyclooctene can be used for its potential to apply <i>trans</i> -cyclooctene tags for inverse electron-demand Diels-Alder reactions in super-resolution imaging.
Storage	Store at -20°C , protect from light and moisture.