

Product Information

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

Cat. No.: X25-05-YM792

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

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

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

Product Information

Description	Lentinan-PEG-TCO, called TCO-lentinan, features a <i>trans</i> -cyclooctene functionalized derivative formed through PEG-mediated conjugation. This click chemistry partner enables tetrazine ligation while preserving lentinan's macrophage-polarizing effects and DPPS membrane interactions.
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
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- <i>trans</i> -cyclooctene can be used for its potential to study <i>trans</i> -cyclooctene reactivity in inverse electron-demand Diels-Alder reactions.
Storage	Store at -20°C , protect from light and moisture.