

Product Information

ICG agent, Lentinan-PEG-indocyanine green, Purity $\geq 95\%$

Cat. No.: X25-05-YM782

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

Synonym: Lentinan-PEG-indocyanine green; Indocyanine green-PEG-Lentinan

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

Product Information

Description	Lentinan-PEG-indocyanine green, called ICG-lentinan, constitutes a near-infrared imaging conjugate formed by ICG attachment to lentinan's β -1,3-1,6-glucan <i>via</i> PEG linkages. The photothermal system enables deep tissue visualization while preserving lentinan's therapeutic effects and DPPS-mediated 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-indocyanine green can be used for its potential to enable surgical guidance imaging through indocyanine green conjugation in preclinical models.
Storage	Store at -20°C , protect from light and moisture.