

Product Information

Cy5 agent, Lentinan-Cyanine5, Purity $\geq 95\%$

Cat. No.: X25-05-YM586

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

Synonym: Lentinan-Cyanine5; Cyanine5-Lentinan

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

Product Information

Description	Lentinan-Cyanine5, referred to as Cy5-lentinan, represents a newly developed bioconjugate merging the immunomodulatory β -1,3-1,6-glucan lentinan with Cy5. This synthesized design leverages lentinan's helical tertiary architecture and anti-tumor attributes through thymus-dependent immune response 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	Cy5
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-Cyanine5 can be used for its potential to utilize Cyanine5 tags for Förster resonance energy transfer (FRET)-based protein interaction analysis.
Storage	Store at -20°C , protect from light and moisture.