

Product Information

Cy5.5 agent, Lentinan-Cyanine5.5, Purity $\geq 95\%$

Cat. No.: X25-05-YM579

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

Synonym: Lentinan-Cyanine5.5; Cyanine5.5-Lentinan

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

Product Information

Description	Lentinan-Cyanine5.5, known as Cy5.5-lentinan, stands as a novel conjugate integrating the immune-adjusting β -1,3-1,6-glucan lentinan with Cy5.5. The engineered compound employs lentinan's triplex stranded geometry and malignancy-suppressing characteristics <i>via</i> thymic-mediated immune system activation processes.
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	Cy5.5
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-Cyanine5.5 can be used for its potential to utilize Cyanine5.5 labeling for near-infrared fluorescence imaging in deep tissue penetration assays.
Storage	Store at -20°C , protect from light and moisture.