

Product Information

Doxorubicin agent, Lentinan-PEG-doxorubicin, Purity $\geq 95\%$

Cat. No.: X25-05-YM733

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

Synonym: Lentinan-PEG-doxorubicin; Doxorubicin-PEG-Lentinan

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

Product Information

Description	Lentinan-PEG-doxorubicin, known as doxorubicin-lentinan, embodies a chemotherapeutic conjugate created through PEG-mediated linkage of doxorubicin to lentinan's β -glucan. This targeted delivery system integrates anticancer drug transport with lentinan's immunostimulatory and DPPS fusion attributes.
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-doxorubicin can be used for its potential to investigate doxorubicin release kinetics in redox-sensitive tumor microenvironment models.
Storage	Store at -20°C , protect from light and moisture.