

Product Information

Tosyl agent, Lentinan-tosyl, Purity $\geq 95\%$

Cat. No.: X25-05-YM541

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

Synonym: Lentinan-tosyl; Tosyl-Lentinan

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

Product Information

Description	Lentinan-tosyl, referred to as tosyl-lentinan, forms a newly formulated conjugate combining the immune-regulating β -1,3-1,6-glucan lentinan with tosyl. The synthesized structure utilizes lentinan's triple-helix architecture and cancer-restraining properties <i>via</i> thymus-dependent immunological stimulation 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	Tosyl
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-tosyl can be used for its potential to develop tosyl-activated intermediates for nucleophilic substitution reactions during polymer grafting.
Storage	Store at -20°C , protect from light and moisture.