

## Product Information

### Lectin agent, Lentinan-lectin, Purity $\geq 95\%$

**Cat. No.:** X25-05-YM620

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

**Synonym:** Lentinan-lectin; Lectin-Lentinan

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

#### Product Information

<b>Description</b>	Lentinan-lectin, known as lectin-lentinan, generates a glycoconjugate through covalent attachment of carbohydrate-binding proteins to lentinan's polysaccharide core. This biomolecular hybrid utilizes preserved helical geometry to amplify anticancer responses <i>via</i> thymus-dependent immunological networks.
<b>Glycan Name</b>	Lentinan
<b>Glycan Structure</b>	Its glycan structure is a $\beta$ -(1 $\rightarrow$ 3)-linked d-glucose backbone with $\beta$ -(1 $\rightarrow$ 6)-glucosyl side branches.
<b>Source</b>	Chemical synthesis
<b>Functional Group</b>	Lectin
<b>Form</b>	Solid or powder
<b>Purity</b>	$\geq 95\%$
<b>Impurities</b>	No visible impurities to the naked eye.
<b>Solubility</b>	This product is soluble in most organic solvents, such as DCM, DMF, DMSO, and THF, and exhibits excellent solubility in water.
<b>Identity</b>	Confirmed by NMR.
<b>Stability</b>	It is stable under its storage temperature.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Lentinan-lectin can be used for its potential to analyze carbohydrate-lectin binding kinetics using quartz crystal microbalance measurements.
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ , protect from light and moisture.