

Product Information

PBA agent, Lentinan-phenylboronic acid, Purity $\geq 95\%$

Cat. No.: X25-05-YM597

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

Synonym: Lentinan-phenylboronic acid; Phenylboronic acid-Lentinan

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

Product Information

Description	Lentinan-phenylboronic acid, called PBA-lentinan, forms an advanced molecular fusion merging the immune-regulatory β -1,3-1,6-glucan lentinan with PBA. The composite structure utilizes lentinan's triple-coil configuration and cancer-restraining capabilities <i>via</i> thymus-dependent immunological stimulation 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	PBA
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-phenylboronic acid can be used for its potential to explore phenylboronic acid coupling for glucose-sensitive insulin delivery system development.
Storage	Store at -20°C , protect from light and moisture.