

Product Information

PAMAM agent, Lentinan-polyamidoamine, Purity $\geq 95\%$

Cat. No.: X25-05-YM590

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

Synonym: Lentinan-polyamidoamine; Polyamidoamine-Lentinan

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

Product Information

Description	Lentinan-polyamidoamine, termed PAMAM-lentinan, constitutes a progressive molecular hybrid merging the immunomodulatory β -1,3-1,6-glucan lentinan with PAMAM. This hybrid structure leverages lentinan's helical tertiary architecture and anti-tumor potential through thymic-mediated immune response activation pathways.
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	PAMAM
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-polyamidoamine can be used for its potential to design PAMAM dendrimer complexes for multi-valent ligand presentation in pathogen binding inhibition.
Storage	Store at -20°C , protect from light and moisture.