

Product Information

Pentafluorophenyl agent, Lentinan-pentafluorophenyl, Purity $\geq 95\%$

Cat. No.: X25-05-YM565

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

Synonym: Lentinan-pentafluorophenyl; Pentafluorophenyl-Lentinan

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

Product Information

Description	Lentinan-pentafluorophenyl, termed pentafluorophenyl-lentinan, constitutes a contemporary biochemical hybrid merging the immune-regulatory β -1,3-1,6-glucan lentinan with pentafluorophenyl. The hybrid compound utilizes lentinan's triple-coil configuration and cancer-inhibitory potential <i>via</i> thymus-dependent immunological stimulation mechanisms.
Glycan Name	Lentinan
Glycan Structure	Its glycan structure is a β -(1→3)-linked d-glucose backbone with β -(1→6)-glucosyl side branches.
Source	Chemical synthesis
Functional Group	Pentafluorophenyl
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-pentafluorophenyl can be used for its potential to test pentafluorophenyl esters for rapid amine acylation in microsecond mixing experiments.
Storage	Store at -20°C , protect from light and moisture.