

Product Information

DBCO agent, Lentinan-diphenylcyclooctyne, Purity $\geq 95\%$

Cat. No.: X25-05-YM572

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

Synonym: Lentinan-diphenylcyclooctyne; Diphenylcyclooctyne-Lentinan

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

Product Information

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| Description | Lentinan-diphenylcyclooctyne, called DBCO-lentinan, represents a modern bioconjugate coupling the immunotherapeutic β -1,3-1,6-glucan lentinan with DBCO. This composite entity applies lentinan's three-dimensional helical configuration and tumor-suppressing properties through thymic-mediated immune activation pathways. |
| 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 | DBCO |
| 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-diphenylcyclooctyne can be used for its potential to apply diphenylcyclooctyne tags for strain-promoted click chemistry in zebrafish embryo labeling. |
| Storage | Store at -20°C , protect from light and moisture. |