Product Datasheet

Technical Data

Formula			
Molecular Weight		**CAS No.**	93572-42-0
Solubility (25°C)*	In vitro	DMSO	100 mg/mL
		Water	50 mg/mL warmed with 50ºC water bath
		Ethanol	Insoluble

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Capsid Bio tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.
* Room temperature shipping (Stability testing shows this product can be shipped at 2-8°C for storage purposes.)

Biological Activity

Description	Lipopolysaccharides (LPSs, Endotoxin,LPS) is an endotoxin derived from the outer leaflet of the outer membrane of Gram-negative bacteria. Lipopolysaccharides consists of an antigen O-specific chain, a core oligosaccharide and lipid A. Lipopolysaccharides is a pathogenic associated molecular pattern (PAMP) that activates the immune system. Lipopolysaccharides activates **TLR-4** on immune cells. Lipopolysaccharides induces secretion of cell migrasome.

References

https://pubmed.ncbi.nlm.nih.gov/20618127/ https://pubmed.ncbi.nlm.nih.gov/9791168/ https://pubmed.ncbi.nlm.nih.gov/27506825/

RETURN POLICY

Capsid Bio's Unconditional Return Policy ensures a smooth online shopping experience for our customers. If you are in any way unsatisfied with your purchase, you may return any item(s) within 7 days of receiving it. In the event of product quality issues, either protocol related or product related problems, you may return any item(s) within 365 days from the original purchase date. Please follow the instructions below when returning products.

SHIPPING & STORAGE

Capsid Bio products are transported at room temperature. If you receive the product at room temperature, please rest assured, the Capsid Bio Quality Inspection Department has conducted experiments to verify that the normal temperature placement of one month will not affect the biological activity of powder products. After collecting, please store the product according to the requirements described in the datasheet. Most Capsid Bio products are stable under the recommended conditions.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

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