

### **Product** Data Sheet

## Dioleoylphosphatidylglycerol

Cat. No.: HY-142980 CAS No.: 62700-69-0 Molecular Formula:  $C_{42}H_{79}O_{10}P$  Molecular Weight: 775.04

Target: Liposome

Pathway: Metabolic Enzyme/Protease

Storage: Please store the product under the recommended conditions in the Certificate of

Analysis.

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### **BIOLOGICAL ACTIVITY**

Description

Dioleoylphosphatidylglycerol (DOPG) is a naturally occurring phospholipid that can be produced by the combined action of aquaporin 3 (AQP3) and phospholipase D2 (PLD2). Dioleoylphosphatidylglycerol inhibits macrophage inflammatory mediator production in response to heat shock protein B4 (HSPB4) activation of toll-like receptor 2 (TLR2) [1].

#### **REFERENCES**

[1]. Chang L, et al. Low-dose dioleoylphosphatidylglycerol (DOPG) inhibits heat shock protein B4 (HSPB4)-induced activation of toll-like receptor 2 (TLR2) in a reporter cell line. Investigative Ophthalmology & Visual Science, 2020, 61(7): 357-357.

Caution: Product has not been fully validated for medical applications. For research use only.

Inhibitors