



CERTIFICATE OF ANALYSIS

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1. Identification

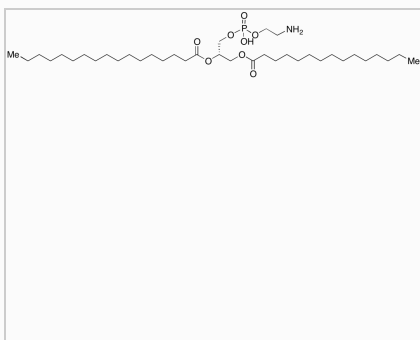
Catalogue Number: D486815

CAS Number: 923-61-5

Product: 1,2-Dipalmitoyl-sn-glycero-3-phosphorylethanolamine

Synonym: (R)-Dipalmitoylphosphatidylethanolamine; 1,2-Dihexadecanoyl-sn-glycerol-3-phosphorylethanolamine; 1,2-Dipalmitoyl-3-sn-phosphatidylethanolamine; 1,2-Dipalmitoyl-L-3-phosphatidylethanolamine; 1,2-Dipalmitoyl-L- α -phosphatidylethanolamine; 1,2-Dipalmitoyl-sn-glycero-3-phosphatidylethanolamine; 1,2-Dipalmitoyl-sn-glycero-3-phosphoethanolamine; 1,2-Dipalmitoyl-sn-glycerol-3-L- α -phosphorylethanolamine; 1,2-Dipalmitoyl-sn-glycerol-3-phosphoethanolamine

Structure:



Molecular Formula:

$C_{37}H_{74}NO_8P$

Molecular weight:

691.96

Source of Product:

N/A

Solubility:

Methanol (Slightly)

Lot Number: 2022-GHZ-080

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 63.97, %H: 10.85, %N: 1.99
HPLC Purity	Report Result	99.91% (ELSD)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+5.7° (c = 0.5, Chloroform : Acetic Acid = 1 : 1)
P NMR	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures**Reviewed By**

Nicole Yip

**Reviewed By**

Toni Rantanen

**C of A Approved
By**

Chanell Chu

**Test Date**

11/30/2022

Retest Date

11/28/2026