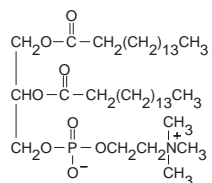


**Product Overview:** L- $\alpha$ -Phosphatidylcholine, dipalmitoyl, cGMP  
1,2-Dihexadecanoyl-sn-glycero-3-phosphocholine; DPPC



**DESCRIPTION:**

<b>Product Number:</b>	Sigma P 3726	<b>CAS Number:</b>	63-89-8
<b>Molecular Weight:</b>	734.0	<b>EINECS:</b>	200-567-6
<b>Formula:</b>	C <sub>40</sub> H <sub>80</sub> NO <sub>8</sub> P	<b>MDL#:</b>	00036903

**SPECIFICATIONS:**

<b>Purity</b>	≥ 99.0% (TLC); ≥ 95.0% vs. reference standard
<b>Fatty Acid Purity</b>	≥ 99% as palmitic acid (GC)
<b>Elemental Analysis</b>	4.0—4.3% phosphorus (ICP) (anhydrous basis)
<b>Optical Rotation</b>	[ $\alpha$ ] <sup>25</sup> +5.4° to +7.5° (anhydrous basis) (c 1 CHCl <sub>3</sub> )
<b>Heavy Metals</b>	≤ 20 ppm
<b>Aerobic Plate Count</b>	≤ 10 cfu/g
<b>Melting Point</b>	225—235 °C
<b>Water Content</b>	≤ 3% (KF)
<b>Solvent Content</b>	≤ 0.005% chloroform, ≤ 0.01% methylene chloride, ≤ 0.1% acetone, ≤ 0.1% methanol
<b>Shelf Life</b>	24 months
<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Clear, colorless solution to faint yellow solution at 50 mg/mL in chloroform
<b>Identity by IR</b>	The infrared spectrum is consistent with structure and compares properly to spectrum 1,1535B in Sigma library of FT-IR spectra, edition 1

**DOCUMENTATION:**

Available at [www.sigma-aldrich.com/safc](http://www.sigma-aldrich.com/safc): Certificate of Analysis; Material Safety Data Sheet

**PACKAGING\*:**

500 g  
Polybottle and polybag in polycontainer  
\* Larger quantities packaged upon request

**STORAGE:**

< 0°C

**APPLICATIONS:**

Emulsifier and surfactant; Cell and tissue culture; Liposome preparations.

**SIGMA-ALDRICH POSITION:**

SAFC manufactures L- $\alpha$ -Phosphatidylcholine, dipalmitoyl in our dedicated bio-organic cGMP manufacturing facility in multi-kilogram quantities.

*We are committed to the success of our Customers, Employees and Shareholders through leadership in **Life Science, High Technology and Service.***