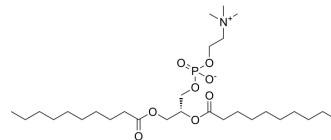


## 1,2-Didecanoyl PC

Cat. No.:	HY-131640
CAS No.:	3436-44-0
Molecular Formula:	C <sub>28</sub> H <sub>56</sub> NO <sub>8</sub> P
Molecular Weight:	565.72
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

1,2-Didecanoyl PC (1,2-Didecanoyl-sn-glycero-3-phosphocholine) is a phosphocholine that can be introduced into single-chain mean field theory as a coarse-grained model of saturated phospholipids. The 1,2-Didecanoyl PC model can be used to estimate the free energy of compressive or tensile bilayers in stacks or multilayers and gives a reasonable estimate of the free energy<sup>[1]</sup>.

### REFERENCES

[1]. Guo Y, et al. General model of phospholipid bilayers in fluid phase within the single chain mean field theory. J Chem Phys. 2014 May 7;140(17):174903.

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

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