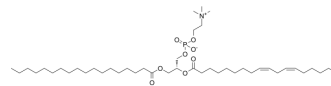


## 1-Stearoyl-2-linoleoyl-sn-glycero-3-phosphocholine

<b>Cat. No.:</b>	HY-126359
<b>CAS No.:</b>	27098-24-4
<b>Molecular Formula:</b>	C <sub>44</sub> H <sub>84</sub> NO <sub>8</sub> P
<b>Molecular Weight:</b>	786.11
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: 2.08 mg/mL (2.65 mM); Suspended solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.08 mg/mL (2.65 mM); Suspended solution; Need ultrasonic
3. Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: 2.08 mg/mL (2.65 mM); Suspended solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

1-Stearoyl-2-linoleoyl-sn-glycero-3-phosphocholine can be chosen as a model used to investigate the volatile compounds from oxidised phosphatidylcholine molecular species. This method is applied to a real food sample, i.e. soy lecithin<sup>[1]</sup>.

### REFERENCES

[1]. Zhou L, et al. Identification of volatiles from oxidised phosphatidylcholine molecular species using headspace solid-phase microextraction (HS-SPME) and gas chromatography-mass spectrometry (GC-MS). *Anal Bioanal Chem.* 2013;405(28):9125-9137.

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

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