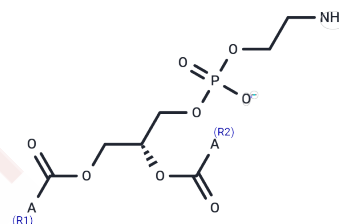


## Phosphatidylethanolamine from bovine

### Chemical Properties

CAS No. : 90989-93-8  
 Formula: C41H78NO8P (for oleoyl)  
 Molecular Weight: 744  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



### Biological Description

Description	Phosphatidylethanolamines (bovine) are a mixture of phosphatidylethanolamines isolated from bovine brain with different fatty acyl groups at the sn-1 and sn-2 positions. Phosphatidylethanolamines (bovine) are the most abundant phospholipids in prokaryotes and the second most abundant in mammalian, plant and yeast cell membranes. Phosphatidylethanolamines (bovine) are the most abundant phospholipids in prokaryotes and the second most abundant phospholipids in the cell membranes of mammals, plants, and yeast, accounting for about 25% of the total mammalian phospholipids.
Targets(IC50)	Others, Autophagy, Liposome

### Solubility Information

Solubility	Methanol: 1 mg/mL (1.34 mM), Sonication is recommended. DMSO: 1 mg/mL (1.34 mM), Sonication is recommended. Chloroform: Soluble Ethanol: 1 mg/mL (1.34 mM), Sonication is recommended. H2O: insoluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.3441 mL	6.7204 mL	13.4409 mL
5 mM	0.2688 mL	1.3441 mL	2.6882 mL
10 mM	0.1344 mL	0.672 mL	1.3441 mL
50 mM	0.0269 mL	0.1344 mL	0.2688 mL

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Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Blusztajn J K, et al. Synthesis of lecithin (phosphatidylcholine) from phosphatidylethanolamine in bovine brain. Brain research. 1979; 179(2): 319-327.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481