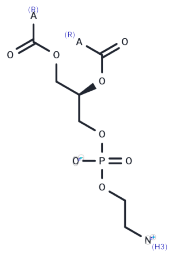
# Data Sheet (Cat.No.T38142)

TargetMol

## Phosphatidylethanolamine (50 mg/mL in Chloroform)

### Chemical Properties



CAS No. : 97281-51-1

Formula: N/A

Molecular Weight:

Storage: Store at low temperature
Pure form: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

### Biological Description

| | |
|---|---|
| Description | Phosphatidylethanolamine (PE) contains phospholipids found in mammals, formed by decarboxylation of phosphatidylserine. |
| Targets(IC50) | Phospholipase |
| In vitro | Phosphatidylethanolamine (0.125, 0.25, 0.5, 1 mmol/L) processing HeLa, Results show that the Phosphatidylethanolamine on cell growth inhibitory effect was dose and time dependent, and induce cell apoptosis, but does not affect the cell cycle. [1] |

### Solubility Information

| | |
|---|---|
| Solubility | Chloroform: 4 mg/mL,Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Reference


Calzada E, et al. Phosphatidylethanolamine Metabolism in Health and Disease. Int Rev Cell Mol Biol. 2016;321:29-88.

Bogdanov, M., Sun, J., Kaback, H.R., et al. A phospholipid acts as a chaperone in assembly of a membrane transport protein J. Biol. Chem. 271(20), 11615-11618 (1996).

Deleault, N.R., Piro, J.R., Walsh, D.J., et al. Isolation of phosphatidylethanolamine as a solitary cofactor for prion formation in the absence of nucleic acids Proc. Natl. Acad. Sci. U.S.A. 109(22), 8546-8551 (2012).





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