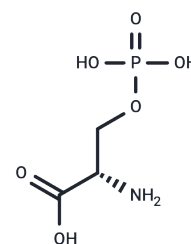


## O-Phospho-L-serine

## Chemical Properties

CAS No. :	407-41-0
Formula:	C3H8NO6P
Molecular Weight:	185.07
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	O-Phospho-L-serine (Phosphoserine) is the phosphoric acid ester of serine.
Targets(IC50)	Amino Acids and Derivatives, Endogenous Metabolite, GluR, NMDAR

## Solubility Information

Solubility	H2O: 15 mg/mL (81.05 mM), Sonication is recommended. DMSO: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4034 mL	27.0168 mL	54.0336 mL
5 mM	1.0807 mL	5.4034 mL	10.8067 mL
10 mM	0.5403 mL	2.7017 mL	5.4034 mL
50 mM	0.1081 mL	0.5403 mL	1.0807 mL

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

Nakamura T, et al. Biosci Biotechnol Biochem. 2015 Mar 17:1-7.

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