

## DL-O-Phosphoserine

## Chemical Properties

CAS No. :	17885-08-4
Formula:	C <sub>3</sub> H <sub>8</sub> NO <sub>6</sub> P
Molecular Weight:	185.072
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 is an ester of serine and phosphate, which are normal metabolites in human biofluids. O-phospho-L-serine is a phagocytosis inhibitor that inhibits glial cell proliferation and cone cell regeneration after photodamage.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble) H <sub>2</sub> O: 22.50 mg/mL (121.57 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## 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

Kataoka H, et al. Analysis of free and bound O-phosphoamino acids in urine by gas chromatography with flame photometric detection. Biomed Chromatogr. 1993 Jul-Aug;7(4):184-8.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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