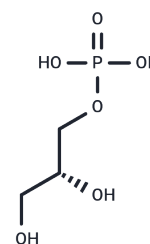


## sn-Glycerol 3-phosphate

## Chemical Properties

CAS No. :	17989-41-2
Formula:	C3H9O6P
Molecular Weight:	172.07
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	sn-Glycerol 3-phosphate, produced by the reduction of dihydroxyacetone phosphate by NADH formed during glycolysis of the cytoplasmic glycerol 3-phosphate dehydrogenase pathway.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	H2O: 100 mg/mL (581.16 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8116 mL	29.0579 mL	58.1159 mL
5 mM	1.1623 mL	5.8116 mL	11.6232 mL
10 mM	0.5812 mL	2.9058 mL	5.8116 mL
50 mM	0.1162 mL	0.5812 mL	1.1623 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

- Simic P, et al. Glycerol-3-phosphate is an FGF23 regulator derived from the injured kidney. J Clin Invest. 2020 Mar 2;130(3):1513-1526.
- Shine MB, et al. Glycerol-3-phosphate mediates rhizobia-induced systemic signaling in soybean. Nat Commun. 2019 Nov 22;10(1):5303.

**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