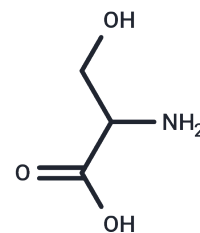


DL-Serine

Chemical Properties

CAS No. :	302-84-1
Formula:	C ₃ H ₇ NO ₃
Molecular Weight:	105.09
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	DL-Serine is a non-essential amino acid and a natural ligand and allosteric activator of pyruvate kinase M2.
Targets(IC50)	PKM, TMV

Solubility Information

Solubility	H ₂ O: 100 mg/mL (951.57 mM), Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.5157 mL	47.5783 mL	95.1565 mL
5 mM	1.9031 mL	9.5157 mL	19.0313 mL
10 mM	0.9516 mL	4.7578 mL	9.5157 mL
50 mM	0.1903 mL	0.9516 mL	1.9031 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

Barbara Chaneton, Petra Hillmann, et al. Serine Is a Natural Ligand and Allosteric Activator of Pyruvate Kinase M2. *nature*. 2012 Nov 15;491(7424):458-462.

Hiasa Y, et al. DL-Serine: promoting activity on renal tumorigenesis by N-ethyl-N-hydroxyethylnitrosamine in rats. *J Natl Cancer Inst*. 1984 Jul;73(1):297-9.

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