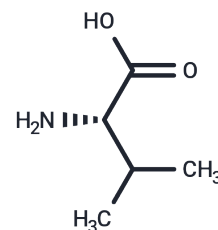


## L-Valine

## Chemical Properties

CAS No. :	72-18-4
Formula:	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>
Molecular Weight:	117.15
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	A branched-chain essential amino acid that has stimulant activity. It promotes muscle growth and tissue repair. It is a precursor in the penicillin biosynthetic pathway.
Targets(IC50)	Arginase,Akt,Endogenous Metabolite,Antibacterial

## Solubility Information

Solubility	DMSO: Insoluble, H <sub>2</sub> O: 42.08 mg/mL (359.2 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.5361 mL	42.6803 mL	85.3606 mL
5 mM	1.7072 mL	8.5361 mL	17.0721 mL
10 mM	0.8536 mL	4.268 mL	8.5361 mL
50 mM	0.1707 mL	0.8536 mL	1.7072 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

- Oba, M. et al.: J. Dairy Sci., 93, 2044 (2010)  
Mitrega, K. et al.: Pharmacol. Res., 64, 218 (2011)

**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