

## Leu-Val

## Chemical Properties

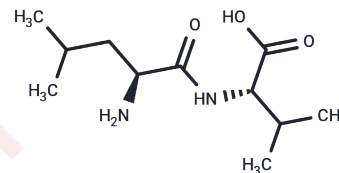
CAS No. : 13588-95-9

Formula: C<sub>11</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight: 230.3

Storage: Keep away from direct sunlight, Store under nitrogen  
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	Leu-Val (L-leucyl-L-valine) is a novel potent dipeptide with antibacterial and antimalarial activity.
Targets(IC50)	Parasite, Antifungal

## Solubility Information

Solubility	H <sub>2</sub> O: 10 mg/mL (43.42 mM), Sonication is recommended. DMSO: 13.56 mg/mL (58.88 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3422 mL	21.7108 mL	43.4216 mL
5 mM	0.8684 mL	4.3422 mL	8.6843 mL
10 mM	0.4342 mL	2.1711 mL	4.3422 mL
50 mM	0.0868 mL	0.4342 mL	0.8684 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

Görbitz CH, et al. Symmetry, pseudosymmetry and packing disorder in the alcohol solvates of L-leucyl-L-valine. Acta Crystallogr B. 1999 Feb 1;55(Pt 1):104-113.

**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