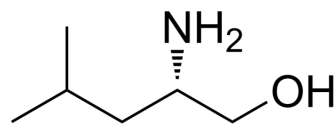


## L-Leucinol

Cat. No.:	HY-W015876		
CAS No.:	7533-40-6		
Molecular Formula:	C <sub>6</sub> H <sub>15</sub> NO		
Molecular Weight:	117.19		
Target:	Aminopeptidase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (853.32 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	8.5332 mL	42.6658 mL	85.3315 mL
		5 mM	1.7066 mL	8.5332 mL	17.0663 mL
10 mM		0.8533 mL	4.2666 mL	8.5332 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (21.33 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (21.33 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (21.33 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

Description	L-Leucinol ((+)-Leucinol) is a competitive aminopeptidase inhibitor with K <sub>i</sub> value of 17 μM <sup>[1]</sup> .
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### REFERENCES

[1]. Bienvenue DL, et al. Inhibition of the aminopeptidase from *Aeromonas proteolytica* by L-leucinethiol: kinetic and spectroscopic characterization of a slow, tight-

**Caution: Product has not been fully validated for medical applications. For research use only.**

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