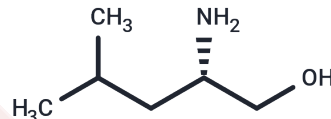


L(+)-Leucinol

Chemical Properties

CAS No. :	7533-40-6
Formula:	C ₆ H ₁₅ NO
Molecular Weight:	117.19
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	L(+)-Leucinol is a potent inhibitor of leucine aminopeptidase.
Targets(IC50)	Aminopeptidase

Solubility Information

Solubility	DMSO: 22.5 mg/mL (192 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (17.07 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.1707 mL	0.8533 mL	1.7066 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

Elliott L H , Wilkinson S E , Sedgwick A D , et al. L-leucinthiol - a potent inhibitor of leucine aminopeptidase.[J]. Biochemical & Biophysical Research Communications, 1983, 116(1):297-302.

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