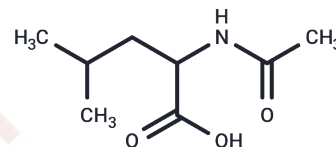


Acetylleucine

Chemical Properties

CAS No. :	99-15-0
Formula:	C ₈ H ₁₅ NO ₃
Molecular Weight:	173.21
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	Acetylleucine (N-Acetyl-DL-leucine) is an agent used in the treatment of vertigo.
Targets(IC50)	Others,Amino Acids and Derivatives

Solubility Information

Solubility	Ethanol: 32 mg/mL (184.75 mM),Sonication is recommended. DMSO: 11 mg/mL (63.51 mM),Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.5 mg/mL (14.43 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	5.7733 mL	28.8667 mL	57.7334 mL
5 mM	1.1547 mL	5.7733 mL	11.5467 mL
10 mM	0.5773 mL	2.8867 mL	5.7733 mL
50 mM	0.1155 mL	0.5773 mL	1.1547 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

LEAU O, DUCROT R. C R Seances Soc Biol Fil. 1957;151(7):1365-7.

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