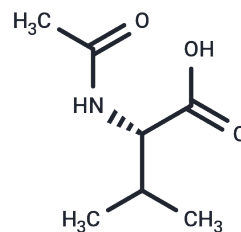


Acetylvaline

Chemical Properties

CAS No. :	96-81-1
Formula:	C7H13NO3
Molecular Weight:	159.18
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Acetylvaline (Ac-Val-OH) is used as an indicator of diseases such as type 2 diabetes, obesity and retinopathy.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 100 mg/mL (628.22 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: 4 mg/mL (25.13 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	6.2822 mL	31.411 mL	62.822 mL
5 mM	1.2564 mL	6.2822 mL	12.5644 mL
10 mM	0.6282 mL	3.1411 mL	6.2822 mL
50 mM	0.1256 mL	0.6282 mL	1.2564 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

da Silva Oliveira W, et al. Identification of non-volatile migrants from baby bottles by UPLC-Q-TOF-MS. Food Res Int. 2019 Sep;123:529-537.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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