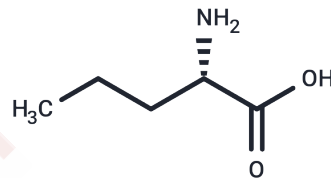


L-Norvaline

Chemical Properties

CAS No. :	6600-40-4
Formula:	C ₅ H ₁₁ NO ₂
Molecular Weight:	117.15
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-Norvaline is an arginase inhibitor and a non-protein branched-chain amino acid. L-Norvaline has previously been reported as a natural component of the antifungal peptide of Bacillus subtilis. L-Norvaline and other modified branched-chain amino acids have received attention in recent studies because they appear to be incorporated into some recombinant proteins found in E. coli.
Targets(IC50)	Beta Amyloid, Arginase, Endogenous Metabolite, TNF

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.5361 mL	42.6803 mL	85.3606 mL
5 mM	1.7072 mL	8.5361 mL	17.0721 mL
10 mM	0.8536 mL	4.268 mL	8.5361 mL
50 mM	0.1707 mL	0.8536 mL	1.7072 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

Ming, X., Rajapakse, A., Carvas, J., Ruffieux, J., & Yang, Z. (2009). Inhibition of S6K1 accounts partially for the anti-inflammatory effects of the arginase inhibitor L-norvaline. BMC Cardiovasc Disord, 13(9), 12. doi: 10.1186/1471-2261-9-12.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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