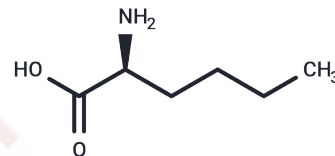


L-Norleucine

Chemical Properties

CAS No. :	327-57-1
Formula:	C ₆ H ₁₃ NO ₂
Molecular Weight:	131.17
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-Norleucine ((S)-Norleucine) is an isomer of leucine, specifically affects protein synthesis in skeletal muscle, and has antivirus activity.
Targets(IC50)	Endogenous Metabolite, Influenza Virus
In vitro	L-Norleucine interacts with hnRNPA2/B1 protein to suppresses the expressions of Twist1 and Snail, two inhibitors of E-cadherin, and promotes the expression of E-cadherin, resulting in the inhibition of tumor metastasis.

Solubility Information

Solubility	H ₂ O: Soluble, 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	7.6237 mL	38.1185 mL	76.2369 mL
5 mM	1.5247 mL	7.6237 mL	15.2474 mL
10 mM	0.7624 mL	3.8118 mL	7.6237 mL
50 mM	0.1525 mL	0.7624 mL	1.5247 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

Schott KJ, et al. On the role of branched-chain amino acids in protein turnover of skeletal muscle. Studies in vivo with L-norleucine. Z Naturforsch C. 1985 May-Jun;40(5-6):427-37.

He T, et al. The homeostasis-maintaining metabolites from bacterial stress response to bacteriophage infection suppress tumor metastasis. Oncogene. 2018 Jun 20.

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