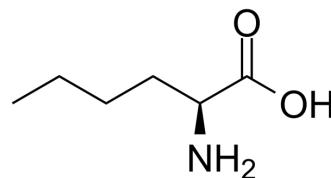


L-Norleucine

Cat. No.:	HY-Y0017		
CAS No.:	327-57-1		
Molecular Formula:	C ₆ H ₁₃ NO ₂		
Molecular Weight:	131.17		
Target:	Endogenous Metabolite; Influenza Virus		
Pathway:	Metabolic Enzyme/Protease; Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 5 mg/mL (38.12 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	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
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 2.86 mg/mL (21.80 mM); Clear solution; Need ultrasonic and warming and heat to 60°C				

BIOLOGICAL ACTIVITY

Description	L-Norleucine ((S)-2-Aminohexanoic acid) is an isomer of leucine, specifically affects protein synthesis in skeletal muscle, and has antiviral activity.
IC₅₀ & Target	Human Endogenous Metabolite
In Vitro	L-Norleucine is an isomer of leucine, specifically affecting protein synthesis in skeletal muscle ^[1] . L-Norleucine has antiviral activity. L-Norleucine interacts with hnRNP A2/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 ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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.

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

Caution: Product has not been fully validated for medical applications. For research use only.

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