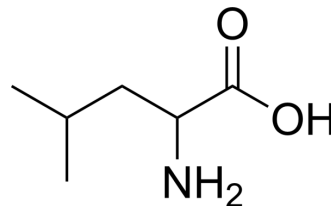


(±)-Leucine

Cat. No.:	HY-B1674		
CAS No.:	328-39-2		
Molecular Formula:	C ₆ H ₁₃ NO ₂		
Molecular Weight:	131.17		
Target:	Endogenous Metabolite; Bacterial		
Pathway:	Metabolic Enzyme/Protease; Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

1M HCl : 50 mg/mL (381.18 mM; ultrasonic and adjust pH to 1 with HCl)
 H₂O : 10 mg/mL (76.24 mM; Need ultrasonic)
 DMSO : < 1 mg/mL (ultrasonic;warming;adjust pH to 5 with HCl;heat to 60°C) (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
	Concentration	1 mg	5 mg	10 mg
	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.

BIOLOGICAL ACTIVITY

Description

(±)-Leucine (DL-Leucine), an isomer of Leucine, chemosterilant and dietary additive. (±)-Leucine inhibits growth of *Escherichia coli* HfrH by 92.08%^[1].

In Vivo

(±)-Leucine (DL-Leucine) increases the average catch by increasing the quantity of pheromone or production frequency from the females^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hendricks DE, et, al. Attractiveness of tobacco budworm females altered by oral chemosterilants and dietary additives. *Journal of Chemical Ecology*. 1977 Mar; 127-131.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA