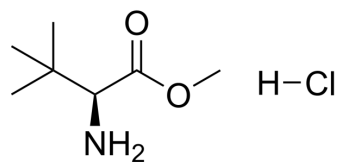


L-tert-Leucine Methyl Ester Hydrochloride

Cat. No.:	HY-I0172
CAS No.:	63038-27-7
Molecular Formula:	C ₇ H ₁₆ ClNO ₂
Molecular Weight:	181.66
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (550.48 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	5.5048 mL	27.5239 mL	55.0479 mL	
5 mM	1.1010 mL	5.5048 mL	11.0096 mL	
10 mM	0.5505 mL	2.7524 mL	5.5048 mL	

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

L-tert-Leucine Methyl Ester Hydrochloride is a leucine derivative^[1].

In Vitro

Amino acids and amino acid derivatives have been commercially used as ergogenic supplements. They influence the secretion of anabolic hormones, supply of fuel during exercise, mental performance during stress related tasks and prevent exercise induced muscle damage. They are recognized to be beneficial as ergogenic dietary substances^[1].

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

REFERENCES

[1]. Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-1144.

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

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