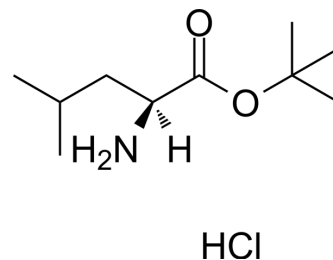


## H-Leu-OtBu.HCl

Cat. No.:	HY-W008061
CAS No.:	2748-02-9
Molecular Formula:	C <sub>10</sub> H <sub>22</sub> ClNO <sub>2</sub>
Molecular Weight:	223.74
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	<div> Powder -20°C 3 years </div> <div> 4°C 2 years </div> <div> In solvent -80°C 6 months </div> <div> -20°C 1 month </div>



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 50 mg/mL (223.47 mM)

\* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.4695 mL	22.3474 mL	44.6947 mL
	5 mM	0.8939 mL	4.4695 mL	8.9389 mL
	10 mM	0.4469 mL	2.2347 mL	4.4695 mL

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

### BIOLOGICAL ACTIVITY

#### Description

H-Leu-OtBu.HCl is a leucine derivative<sup>[1]</sup>.

#### 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<sup>[1]</sup>.

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.

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

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