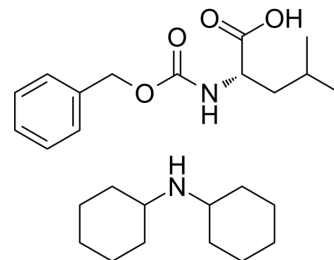


## Z-Leu-OH.DCHA

<b>Cat. No.:</b>	HY-W008942
<b>CAS No.:</b>	53363-87-4
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>42</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	446.62
<b>Target:</b>	Amino Acid Derivatives
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 10 mg/mL (22.39 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.2390 mL	11.1952 mL	22.3904 mL	
5 mM	0.4478 mL	2.2390 mL	4.4781 mL	
10 mM	0.2239 mL	1.1195 mL	2.2390 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

Z-Leu-OH.DCHA 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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