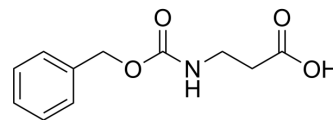


## Z-β-Ala-OH

Cat. No.:	HY-W012379
CAS No.:	2304-94-1
Molecular Formula:	C <sub>11</sub> H <sub>13</sub> NO <sub>4</sub>
Molecular Weight:	223.23
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	<div> <div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> </div> <div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div> </div>



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (447.97 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.4797 mL	22.3984 mL	44.7968 mL
	5 mM		0.8959 mL	4.4797 mL	8.9594 mL
	10 mM		0.4480 mL	2.2398 mL	4.4797 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Z-β-Ala-OH is an alanine 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):1793-1109.

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

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