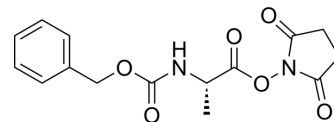


## Z-Ala-OSu

Cat. No.:	HY-77132		
CAS No.:	3401-36-3		
Molecular Formula:	C <sub>15</sub> H <sub>16</sub> N <sub>2</sub> O <sub>6</sub>		
Molecular Weight:	320.3		
Target:	Amino Acid Derivatives		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 20 mg/mL (62.44 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.1221 mL	15.6104 mL	31.2207 mL
5 mM	0.6244 mL	3.1221 mL	6.2441 mL
10 mM	0.3122 mL	1.5610 mL	3.1221 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Z-Ala-OSu 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):1793-1070.

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

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