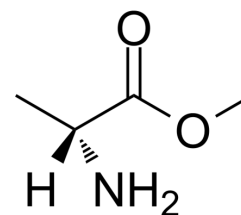


## H-D-Ala-OMe hydrochloride

<b>Cat. No.:</b>	HY-W007986
<b>CAS No.:</b>	14316-06-4
<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>10</sub> ClNO <sub>2</sub>
<b>Molecular Weight:</b>	139.58
<b>Target:</b>	Amino Acid Derivatives
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



HCl

### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (716.44 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	7.1644 mL	35.8218 mL	71.6435 mL
	5 mM	1.4329 mL	7.1644 mL	14.3287 mL
	10 mM	0.7164 mL	3.5822 mL	7.1644 mL

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

### BIOLOGICAL ACTIVITY

#### Description

H-D-Ala-OMe hydrochloride 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):1793-1099.

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

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