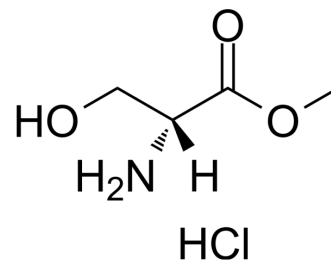


## H-D-Ser-OMe.HCl

<b>Cat. No.:</b>	HY-W015533		
<b>CAS No.:</b>	5874-57-7		
<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>10</sub> ClNO <sub>3</sub>		
<b>Molecular Weight:</b>	155.58		
<b>Target:</b>	Amino Acid Derivatives		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

Ethanol : 50 mg/mL (321.38 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	6.4276 mL	32.1378 mL	64.2756 mL
5 mM	1.2855 mL	6.4276 mL	12.8551 mL
10 mM	0.6428 mL	3.2138 mL	6.4276 mL

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

### BIOLOGICAL ACTIVITY

#### Description

H-D-Ser-OMe.HCl is a serine 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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