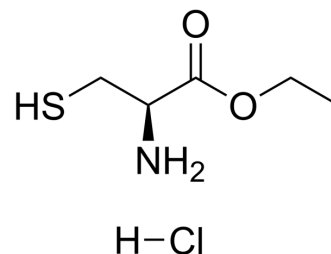


## L-Cysteine ethyl ester HCl

Cat. No.:	HY-Y1875
CAS No.:	868-59-7
Molecular Formula:	C <sub>5</sub> H <sub>12</sub> ClNO <sub>2</sub> S
Molecular Weight:	185.67
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (538.59 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div><div>Mass</div></div>	1 mg	5 mg	10 mg	
			1 mM	5.3859 mL	26.9295 mL	53.8590 mL
			5 mM	1.0772 mL	5.3859 mL	10.7718 mL
			10 mM	0.5386 mL	2.6930 mL	5.3859 mL
			Please refer to the solubility information to select the appropriate solvent.			

### BIOLOGICAL ACTIVITY

Description	L-Cysteine ethyl ester HCl is a cysteine derivative <sup>[1]</sup> .
In Vitro	<p>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>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### 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):1793-807.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA