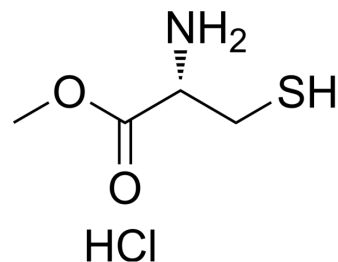


Methyl D-cysteinate hydrochloride

Cat. No.:	HY-W018865		
CAS No.:	70361-61-4		
Molecular Formula:	C ₄ H ₁₀ ClNO ₂ S		
Molecular Weight:	171.65		
Target:	Amino Acid Derivatives		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (291.29 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.8258 mL	29.1290 mL	58.2581 mL
	5 mM	1.1652 mL	5.8258 mL	11.6516 mL
	10 mM	0.5826 mL	2.9129 mL	5.8258 mL

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

BIOLOGICAL ACTIVITY

Description

Methyl D-cysteinate hydrochloride is a cysteine derivative^[1].

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^[1].
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):1793-807.

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

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