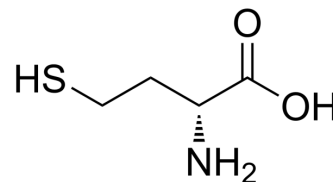


(R)-2-Amino-4-mercaptobutanoic acid

Cat. No.:	HY-77801		
CAS No.:	6027-14-1		
Molecular Formula:	C ₄ H ₉ NO ₂ S		
Molecular Weight:	135.18		
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 : 2 mg/mL (14.80 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	7.3975 mL	36.9877 mL	73.9754 mL
5 mM	1.4795 mL	7.3975 mL	14.7951 mL
10 mM	0.7398 mL	3.6988 mL	7.3975 mL

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

BIOLOGICAL ACTIVITY

Description

(R)-2-Amino-4-mercaptobutanoic acid 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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