S-Allyl-D-cysteine

Cat. No.: HY-W048286

CAS No.: 770742-93-3

Molecular Formula: $C_6H_{11}NO_2S$

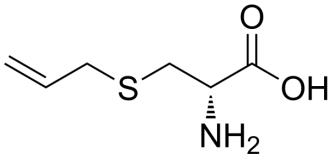
Molecular Weight: 161.22

Target: Amino Acid Derivatives

Pathway: Others

Storage: 4°C, stored under nitrogen

* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 100 mg/mL (620.27 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	6.2027 mL	31.0135 mL	62.0270 mL
	5 mM	1.2405 mL	6.2027 mL	12.4054 mL
	10 mM	0.6203 mL	3.1014 mL	6.2027 mL

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

BIOLOGICAL ACTIVITY

Description

S-Allyl-D-cysteine 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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