S-(2-Carboxyethyl)-L-cysteine

Cat. No.: HY-W141774

CAS No.: 4033-46-9

Molecular Formula: $C_6H_{11}NO_4S$

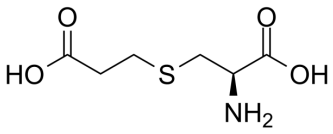
Molecular Weight: 193.22

Target: Others

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

H_2O : 5 mg/mL (25.88 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	5.1754 mL	25.8772 mL	51.7545 mL
	5 mM	1.0351 mL	5.1754 mL	10.3509 mL
	10 mM	0.5175 mL	2.5877 mL	5.1754 mL

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

BIOLOGICAL ACTIVITY

Description

S-(2-Carboxyethyl)-L-cysteine (S-Carboxyethylcysteine) is a non-protein (modified) sulfur amino acid. S-(2-Carboxyethyl)-L-cysteine is present in Acacia seed. S-(2-Carboxyethyl)-L-cysteine can affect the seed's protein use in rats. S-(2-Carboxyethyl)-L-cysteine suppresses the methionine-induced growth rate, and has a negative effect on the plasma amino acid levels in rats [1].

In Vivo

S-(2-Carboxyethyl)-L-cysteine significantly increases the plasma urea level in rats[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Falade OS, et al. S-Carboxyethylcysteine (a constituent of Acacia seed) negatively affects casein protein utilization by rats. Nutrition. 2012 Jul;28(7-8):785-92.

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