
Product Data Sheet

Product Name: S-(2-Carboxyethyl)-L-cysteine

Cat. No.: GC66844

Chemical Properties

Cas. No. 4033-46-9

Formula $C_6H_{11}NO_4S$ M.Wt 193.22

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

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].

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

[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.

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