

# (2S) -2-Amino-3-methyl-3-sulfanylbutanoic acid

Catalog No: tcsc2334



## Available Sizes

Size: 1g

Size: 5g



## Specifications

**CAS No:**

52-67-5

**Formula:**

$C_5H_{11}NO_2S$

**Pathway:**

Others

**Target:**

Others

**Purity / Grade:**

>98%

**Solubility:**

H<sub>2</sub>O : ≥ 100 mg/mL (670.20 mM)

**Alternative Names:**

D-(-)-Penicillamine

**Observed Molecular Weight:**

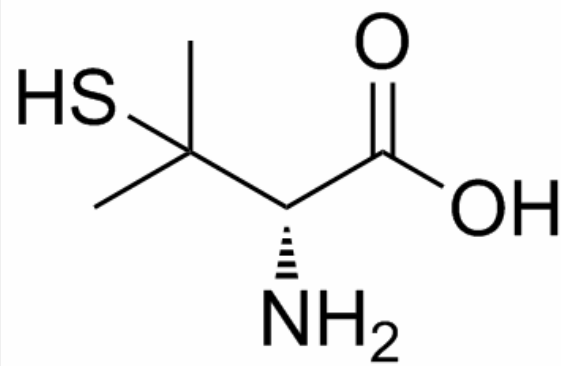
149.21

## Product Description

Penicillamine is the most characteristic degradation product of the penicillin antibiotics. It is used as an antirheumatic and as a chelating agent in Wilson's disease.

Target: Others

Penicillamine (Cuprimine, Depen) is used as an antirheumatic and as a chelating agent in Wilson's disease and is a chelating agent recommended for the removal of excess copper in patients with Wilson's disease. From in vitro studies which indicate that one atom of copper combines with two molecules of penicillamine. Penicillamine also reduces excess cystine excretion in cystinuria. The mechanism of action of penicillamine in rheumatoid arthritis is unknown although it appears to suppress disease activity. Unlike cytotoxic immunosuppressants, penicillamine markedly lowers IgM rheumatoid factor but produces no significant depression in absolute levels of serum immunoglobulins. Also unlike cytotoxic immunosuppressants which act on both, penicillamine in vitro depresses T-cell activity but not B-cell activity [1-3].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!