D-Penicillamine, Copper chelator

Overview

Product name: D-Penicillamine, Copper chelator

Description: Copper chelator. Structural analog of cysteine.

Biological description: Copper chelator. Structural analog of cysteine and metabolite of penicillin. Displays a variety of biological effects. Acts as an immunosuppressant and shows antirheumatic effect. Active in vivo.

Purity: > 97%

CAS Number: 52-67-5

Chemical structure:

Properties

Chemical name: 3,3-Dimethyl-D-cysteine

Molecular weight: 149.21

Molecular formula: C₅H₁₁NO₂S

PubChem identifier: 5852

Storage instructions: Store at +4°C. The product can be stored for up to 12 months.

Solubility overview: Soluble in water to 100 mM

Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be usable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES: O=C(O)[C@H]([N]C(C)(C)C)

Source: Synthetic

Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS”
Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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