

## Product Datasheet

### GA5612 - D-Penicillamine, USP

#### grade

Precautionary Codes

P261, P280, P302+P352,  
P305+P351+P338

Pictograms

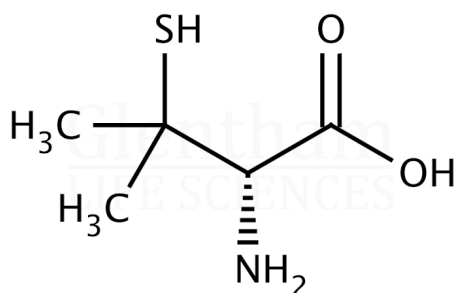


#### Product Details

|                    |  |
|--------------------|--|
| Product Name       | D-Penicillamine, USP grade                         |
| Glentham Code      | GA5612   |
| CAS Number         | 52-67-5  |
| EINECS             | 200-148-8  |
| MDL Number         | MFC00064302  |
| PubChem SID        | 310278558  |
| Related Categories | APIs, Antibiotics, Biochemicals,<br>Antimicrobials |

#### Structure

|                   |  |
|-------------------|--|
| Molecular Weight  | : 149.21   |
| Molecular Formula | : C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S |



#### Glentham Product Specification

|                                |   |
|--------------------------------|---|
| Physical Description           | : White to off-white powder or solid        |
| Assay                          | : 97.0 - 102.0 %                            |
| Specific Optical Rotation      | : -60.5 - -64.5 °                           |
| pH                             | : 4.5 - 5.5                                 |
| Loss on Drying                 | : ≤ 0.5%                                    |
| Residue on Ignition            | : ≤ 0.1%                                    |
| Heavy Metals                   | : ≤ 20ppm                                   |
| Mercury (Hg)                   | : ≤ 20ppm                                   |
| Limit of Penicillin Activity   | : ≤ 200IU/mg                                |
| Organic Impurities             | : Penicillamine disulfide: ≤1.0%            |
| Residual Solvents              | : n-Butanol: ≤ 5000ppm, Methanol: ≤ 3000ppm |
| Pharmacopoeia Specification(s) | : USP                                       |
| Version                        | : v1.0                                      |

#### About D-Penicillamine, USP grade

No further details on record.

#### Storage

Recommended storage temperature: +4°C.

#### Hazards and Transport

|  |   |
|--|---|
| Not classified as dangerous for transport. |   |
| CLP Classification                         | Skin Irrit. 2, Eye Irrit. 2,<br>STOT SE 3 |
| Signal Word                                | Warning                                   |
| Hazard Codes                               | H315, H319, H335                          |

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