

Product Datasheet

GM3760 - L-Cysteine

Pictograms

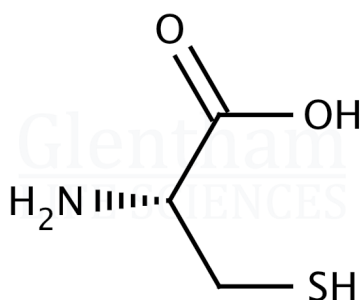


Product Details

| | |
|--------------------|---|
| Product Name | L-Cysteine |
| Glenthams Code | GM3760 |
| CAS Number | 52-90-4 |
| EINECS | 200-158-2 |
| MDL Number | MFCD00064306 |
| Additional CAS | 345909-32-2 ($\cdot xH_2O$) |
| PubChem SID | 310270753 |
| Related Categories | Amino Acids, Biochemicals, Reagents for Cell Culture |

Structure

| | |
|-------------------|-----------------|
| Molecular Weight | : 121.16 |
| Molecular Formula | : $C_3H_7NO_2S$ |



Glenthams Product Specification

| | |
|---|--|
| Physical Description | : White to almost white powder or crystals |
| Solubility (2.5% in water) | : Clear, colourless solution |
| pH (2.5% in water) | : 4.0 - 6.0 |
| Specific Optical Rotation ($[\alpha]_{20/D}$) | : +8.0 - +9.5 ° (c=8, 1M HCl) |
| Loss on Drying | : $\leq 1.0\%$ (80°C, vac., 1h) |
| Assay (Titration) | : $\geq 98.0\%$ |
| Version | : v1.2 |

About L-Cysteine

Cysteine is a nonessential amino acid. It contains a thiol group that participates in the formation of disulphide bonds that regulate the secondary and tertiary structure of proteins. It is also used to supplement cell culture media.

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

| | |
|--|-----------------------|
| Not classified as dangerous for transport. | |
| CLP Classification | Acute Tox. 4 |
| Signal Word | Warning |
| Hazard Codes | H302 |
| Precautionary Codes | P280, P261, P301+P312 |

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