

## Product Datasheet

### GM3760 - L-Cysteine

Pictograms



#### Product Details

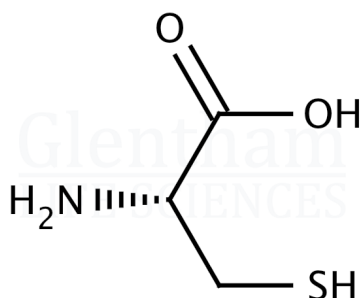
|                    |                                                      |
|--------------------|------------------------------------------------------|
| Product Name       | L-Cysteine                                           |
| Glenthams Code     | GM3760                                     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

#### 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 ([ $\alpha$ ] <sub>20/D</sub> ) | : +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                                     |

#### Structure

|                   |                                                   |
|-------------------|---------------------------------------------------|
| Molecular Weight  | : 121.16                                          |
| Molecular Formula | : C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> S |



#### 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                                | Attention             |
| Hazard Codes                               | H302                  |
| Precautionary Codes                        | P280, P261, P301+P312 |

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