

Product Datasheet

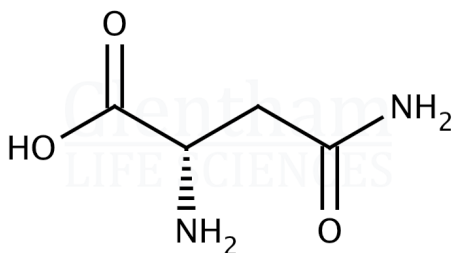
GM9590 - L-Asparagine, anhydrous

Product Details

| | |
|--------------------|---------------------------|
| Product Name | L-Asparagine, anhydrous |
| Glentham Code | GM9590 |
| CAS Number | 70-47-3 |
| EINECS | 200-735-9 |
| MDL Number | MFCD00064401 |
| PubChem SID | 310267050 |
| Related Categories | Amino Acids, Biochemicals |

Structure

Molecular Weight : 132.12
Molecular Formula : $C_4H_8N_2O_3$



| | |
|-----------------------------|--------------------------------|
| Solubility (5% in 1M HCl) | : Clear, colourless solution |
| pH | : 4.4 - 6.4 |
| Specific Optical Rotation | : +34.3 - +36.5 ° |
| Ammonium (NH ₄) | : ≤ 0.1% |
| Sulphate (SO ₄) | : ≤ 0.02ppm |
| Chloride (Cl) | : ≤ 0.02% |
| Iron (Fe) | : ≤ 10ppm |
| Arsenic (As) | : ≤ 1ppm |
| Heavy Metals (as Pb) | : ≤ 10ppm |
| Residue on Ignition | : ≤ 0.1% |
| Loss on Drying | : ≤ 0.3% |
| Assay | : 98.0 - 102.0 % (dried basis) |
| Version | : v1.0 |

About L-Asparagine, anhydrous

Asparagine monohydrate is an alpha-amino acid that is non-essential in humans. It is used in the biomanufacturing of recombinant proteins and monoclonal antibodies. It is an important constituent in cell culture media.

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

Glentham Product Specification

Physical Description : White crystalline powder

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