

Product Datasheet

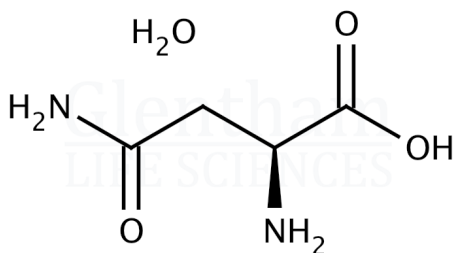
GM3228 - L-Asparagine monohydrate, EP grade

Product Details

| | |
|--------------------|--|
| Product Name | L-Asparagine monohydrate, EP grade |
| Glentham Code | GM3228 |
| CAS Number | 5794-13-8 |
| EINECS | 200-735-9 |
| MDL Number | MFCD00151038 |
| Related Categories | Amino Acids, Biochemicals, Raw Materials (IVD) |

Structure

| | |
|-------------------|-----------------------------|
| Molecular Weight | : 150.14 |
| Molecular Formula | : $C_4H_8N_2O_3 \cdot H_2O$ |



| | |
|--------------------------------|---|
| Physical Description | : White or almost white crystalline powder or colourless crystals |
| Identification | : A, B, C according to EP |
| Solubility (2% in water) | : Clear, colourless solution |
| pH (2% in water) | : 4.0 - 6.0 |
| Specific Optical Rotation | : +33.7 - +36.0 ° (c=10, 3M HCl) |
| Ninhydrin-positive substances | : ≤ 0.5% |
| Chlorides | : ≤ 0.02% |
| Sulphates | : ≤ 0.02% |
| Ammonium | : ≤ 0.1% |
| Iron (Fe) | : ≤ 10ppm |
| Heavy Metals | : ≤ 10ppm |
| Sulphated Ash | : ≤ 0.1% |
| Loss on Drying | : 10.5 - 12.5 % (130°C, 3h) |
| Assay | : 99.0 - 101.0 % (dried substance) |
| Pharmacopoeia Specification(s) | : EP |
| Version | : v1.0 |

About L-Asparagine monohydrate, EP grade

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

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