

Product Datasheet

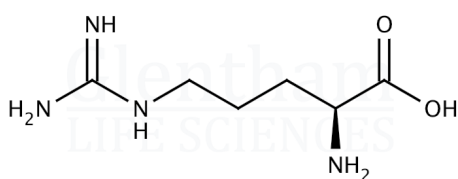
GM1092 - L-Arginine, GlenCell™, suitable for cell culture

Product Details

| | |
|--------------------|--|
| Product Name | L-Arginine, GlenCell™, suitable for cell culture |
| Glentham Code | GM1092 |
| CAS Number | 74-79-3 |
| EINECS | 200-811-1 |
| MDL Number | MFCD00002635 |
| Related Categories | Amino Acids, Biochemicals, Reagents for Cell Culture |

Structure

| | |
|-------------------|--|
| Molecular Weight | : 174.20 |
| Molecular Formula | : C ₆ H ₁₄ N ₄ O ₂ |



| | |
|---|--|
| Physical Description | : White crystalline powder |
| Identification | : IR |
| Solubility | : Freely soluble in water and in formic acid, practically insoluble in ethanol |
| Solubility (10% in water) | : Clear, colourless solution |
| Transmittance | : ≥ 98.0% (10% in water, 430nm, 10mm cell) |
| Specific Optical Rotation | : +26.9 - +27.9 ° |
| Chloride (Cl) | : ≤ 0.02% |
| Ammonium (NH ₄) | : ≤ 0.02% |
| Sulphate (SO ₄) | : ≤ 0.02% |
| Iron (Fe) | : ≤ 10ppm |
| Heavy Metals (as Pb) | : ≤ 10ppm |
| Arsenic (As ₂ O ₃) | : ≤ 1ppm |
| Any Unspecified Impurity | : ≤ 0.2% |
| Total Impurities | : ≤ 2.0% |
| Residue on Ignition | : ≤ 0.1% |
| Loss on Drying | : ≤ 0.3% |
| pH (10% in water) | : 10.5 - 12.0 |
| Endotoxins | : ≤ 6.0EU/g |
| Assay | : 98.5 - 101.0 % (dried basis) |
| Origin | : Non-animal origin |
| Version | : v1.0 |

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

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

Glentham Product Specification

About L-Arginine, GlenCell™, suitable for cell culture

Arginine is an alpha-amino acid that is classified as semi-essential in humans. It is used in the biomanufacturing of recombinant proteins and monoclonal antibodies. It is an important constituent in cell culture media.

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