

## Product Datasheet

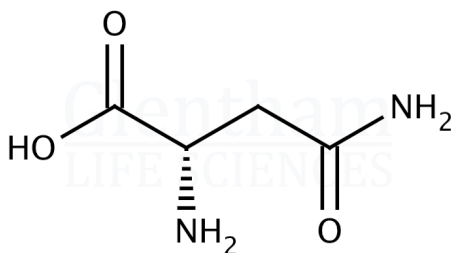
### GM9590 - L-Asparagine, anhydrous

#### Product Details

Product Name	L-Asparagine, anhydrous
Glentham Code	GM9590
CAS Number	70-47-3
EINECS	200-735-9
MDL-Nummer	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 <sub>4</sub> )	: ≤ 0.1%
Sulphate (SO <sub>4</sub> )	: ≤ 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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