

## Product Datasheet

### GM7827 - L-Asparagine

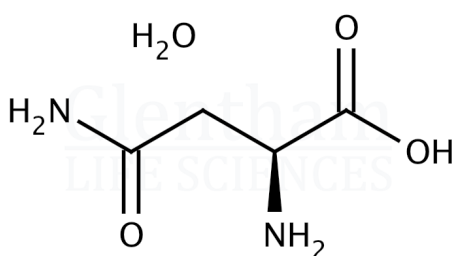
#### monohydrate

#### Product Details

Product Name	L-Asparagine monohydrate
Glenthams Code	GM7827
CAS Number	5794-13-8
EINECS	200-735-9
MDL Number	MFCD00151038
PubChem SID	310267052
Related Categories	Amino Acids, Biochemicals, Raw Materials (IVD), Reagents for Cell Culture

#### Structure

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



#### Glenthams Product Specification

Physical Description	: White crystalline powder
Assay	: 99.0 - 101.0 %
Specific Optical Rotation	: 34.2 - 36.5 °
Transmittance	: $\geq 98.0\%$ (430nm)
Chloride (Cl)	: $\leq 0.02\%$
Ammonia (NH <sub>4</sub> )	: $\leq 0.1\%$
Sulphate (SO <sub>4</sub> )	: $\leq 0.02\%$
Iron (Fe)	: $\leq 10\text{ppm}$
Heavy Metals	: $\leq 10\text{ppm}$
Arsenic (As)	: $\leq 1\text{ppm}$
Mercury (Hg)	: $\leq 0.1\text{ppm}$
Cadmium (Cd)	: $\leq 1\text{ppm}$
Loss on Drying	: 11.5 - 12.5 %
pH	: 4.4 - 6.4
Residue on Ignition	: $\leq 0.1\%$
Specification	: AJI
Version	: v1.0

#### About L-Asparagine monohydrate

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.

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