

Product Datasheet

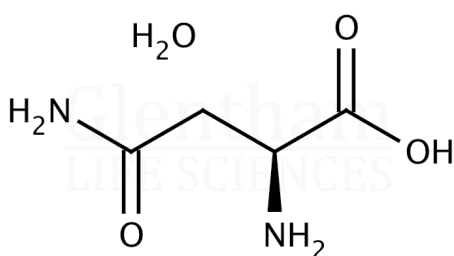
GM7827 - L-Asparagine monohydrate

Product Details

Product Name	L-Asparagine monohydrate
Glentham 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	: $C_4H_8N_2O_3 \cdot H_2O$



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
Assay	: 99.0 - 101.0 %
Specific Optical Rotation	: 34.2 - 36.5 °
Transmittance	: ≥ 98.0% (430nm)
Chloride (Cl)	: ≤ 0.02%
Ammonia (NH ₄)	: ≤ 0.1%
Sulphate (SO ₄)	: ≤ 0.02%
Iron (Fe)	: ≤ 10ppm
Heavy Metals	: ≤ 10ppm
Arsenic (As)	: ≤ 1ppm
Mercury (Hg)	: ≤ 0.1ppm
Cadmium (Cd)	: ≤ 1ppm
Loss on Drying	: 11.5 - 12.5 %
pH	: 4.4 - 6.4
Residue on Ignition	: ≤ 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.