

Product Datasheet

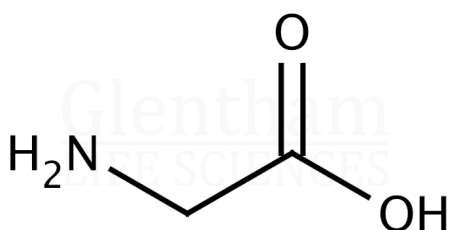
GM2320 - Glycine, EP, USP grade

Product Details

Product Name	Glycine, EP, USP grade
Glentham Code	GM2320
CAS Number	56-40-6
EINECS	200-272-2
MDL Number	MFC00008131
PubChem SID	310274276
Related Categories	Amino Acids, Biochemicals, Buffers, Raw Materials (IVD), Reagents for Gel Electrophoresis of Proteins, Reagents for Cell Culture, Reagents for Western Blotting

Structure

Molecular Weight	: 75.07
Molecular Formula	: C ₂ H ₅ NO ₂



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 (Titration)	: 98.5 - 101.5 % (dried basis)
Ninhydrin-positive substances	: To pass test
Organic Volatile Impurities	: To pass test
Hydrolysable Substances	: To pass test
Loss on Drying	: ≤ 0.2%
Residue on Ignition	: ≤ 0.1%
Arsenic (As)	: ≤ 1ppm
Lead (Pb)	: ≤ 5ppm
Sulphate (SO ₄)	: ≤ 0.0065%
Chloride (Cl)	: ≤ 0.007%
Heavy Metals (as Pb)	: ≤ 10ppm
pH (5% in water)	: 5.9 - 6.4
Solubility (10% in water)	: Clear, colourless solution
Identification (IR)	: To conform to standard
Pharmacopoeia Specification(s)	: EP, USP
Ammonium (NH ₄)	: ≤ 0.02%
Version	: v1.2

About Glycine, EP, USP grade

Glycine is an inhibitory neurotransmitter in the central nervous system, especially in the spinal cord, brainstem, and retina and is a required co-agonist along with glutamate for NMDA receptors.

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