

## Product Datasheet

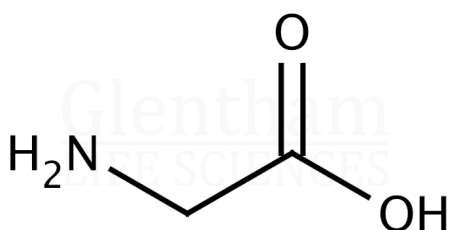
### GM2320 - Glycine, EP, USP grade

#### Product Details

Product Name	Glycine, EP, USP grade
Glenthams Code	GM2320
CAS Number	56-40-6
EINECS	200-272-2
MDL Number	MFCD00008131
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 <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>



#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

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

### Glenthams Product Specification

Physical Description	: White crystalline powder
Identification	: IR
Solubility (10% in water)	: Clear, colourless solution
pH (5% in water)	: 5.9 - 6.4
Heavy Metals (as Pb)	: ≤ 10ppm
Chloride (Cl)	: ≤ 0.007%
Sulphate (SO <sub>4</sub> )	: ≤ 0.0065%
Lead (Pb)	: ≤ 3ppm
Arsenic (As)	: ≤ 1ppm
Mercury (Hg)	: ≤ 0.1ppm
Cadmium (Cd)	: ≤ 1ppm
Residue on Ignition	: ≤ 0.1%
Loss on Drying	: ≤ 0.2%
Hydrolysable Substances	: To pass test
Organic Volatile Impurities	: To pass test
Ninhydrin-positive substances	: To pass test
Assay (Titration)	: 98.5 - 101.5 % (dried basis)
Pharmacopoeia Specification(s)	: EP, USP
Version	: v1.1

### 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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