

## Product Datasheet

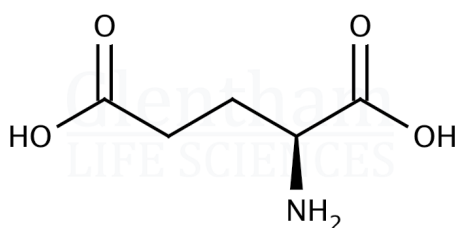
### GM8976 - L-Glutamic acid, GlenCell™, suitable for cell culture

#### Product Details

Product Name	L-Glutamic acid, GlenCell™, suitable for cell culture
Glenthams Code	GM8976
CAS Number	56-86-0
EINECS	200-293-7
Numéro MDL	MFCD00002634
Related Categories	Amino Acids, Biochemicals, Raw Materials (IVD), Reagents for Cell Culture

#### Structure

Molecular Weight	: 147.13
Molecular Formula	: C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub>



Physical Description	: White crystalline powder
Identification	: To pass tests
Solubility (5% in water)	: Clear, colourless solution
pH (1% in water)	: 3.0 - 3.5
Transmittance	: ≥ 98.0% (5% in water, 430nm, 10mm cell)
Specific Optical Rotation ([α] <sub>20/D</sub> )	: +31.5 - +32.2 °
Chloride (Cl)	: ≤ 0.02%
Sulphate (SO <sub>4</sub> )	: ≤ 0.02%
Ammonium (NH <sub>4</sub> )	: ≤ 0.02%
Iron (Fe)	: ≤ 10ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	: ≤ 1ppm
Heavy Metals (as Pb)	: ≤ 5ppm
Any Individual Impurity	: ≤ 0.2%
Total Impurities	: ≤ 0.6%
Sulphated Ash	: ≤ 0.1%
Loss on Drying	: ≤ 0.5%
Endotoxins	: ≤ 6EU/g
Assay	: 99.0 - 101.0 % (dried basis)
Pharmacopoeia Specification(s)	: EP
Origin	: Non-animal origin
Version	: v1.0

#### About L-Glutamic acid, GlenCell™, suitable for cell culture

Glutamic acid is a non-essential amino acid. It is one of the most abundant amino acids and has key functions in multiple metabolic pathways. Glutamate, the anionic form of glutamic acid, is an excitatory neurotransmitter and precursor to GABA. Glutamic acid is also 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.

#### Glenthams Product Specification

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