

## Product Datasheet

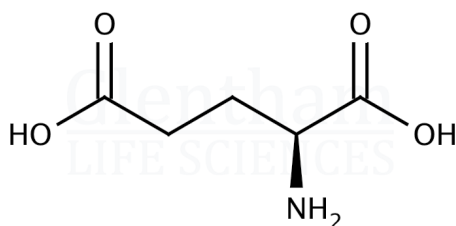
### GM8976 - L-Glutamic acid, GlenCell™, suitable for cell culture

#### Product Details

Product Name	L-Glutamic acid, GlenCell™, suitable for cell culture
Glentham Code	GM8976
CAS Number	56-86-0
EINECS	200-293-7
MDL Number	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>



#### 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
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>D</sub> <sup>20</sup> )	: +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

No further details on record.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2023