Glentham Life Sciences Ltd
Unit 5 Leafield Way
Corsham SN13 9SW
United Kingdom

t: +44 (0) 1225 667 798
f: +44 (0) 2033 978 909
e: info@glentham.com
w: www.glentham.com

Product Datasheet

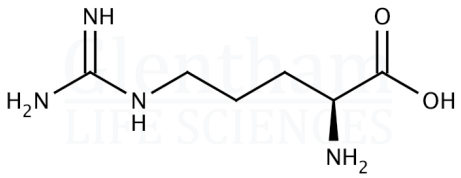
GM1092 - L-Arginine, GlenCell™, suitable for cell culture

Product Details

Product Name	L-Arginine, GlenCell™, suitable for cell culture
Glentham Code	GM1092
CAS Number	74-79-3
EINECS	200-811-1
Numéro MDL	MFCD00002635
Related Categories	Amino Acids, Biochemicals, Reagents for Cell Culture

Structure

Molecular Weight	:	174.20
Molecular Formula	:	$C_6H_{14}N_4O_2$



Physical Description	:	White crystalline powder
Identification	:	IR
Solubility	:	Freely soluble in water and in formic acid, practically insoluble in ethanol
Solubility (10% in water)	:	Clear, colourless solution
Transmittance	:	≥ 98.0% (10% in water, 430nm, 10mm cell)
Specific Optical Rotation	:	+26.9 - +27.9 °
Chloride (Cl)	:	≤ 0.02%
Ammonium (NH4)	:	≤ 0.02%
Sulphate (SO4)	:	≤ 0.02%
Iron (Fe)	:	≤ 10ppm
Heavy Metals (as Pb)	:	≤ 10ppm
Arsenic (As2O3)	:	≤ 1ppm
Any Unspecified Impurity	:	≤ 0.2%
Total Impurities	:	≤ 2.0%
Residue on Ignition	:	≤ 0.1%
Loss on Drying	:	≤ 0.3%
pH (10% in water)	:	10.5 - 12.0
Endotoxins	:	≤ 6.0EU/g
Assay	:	98.5 - 101.0 % (dried basis)
Origin	:	Non-animal origin
Version	:	v1.0

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

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

Glentham Product Specification

About L-Arginine, GlenCell™, suitable for cell culture

Arginine is an alpha-amino acid that is classified as semi-essential in humans. It is used in the biomanufacturing of recombinant proteins and monoclonal antibodies. It is an important constituent in cell culture media.