

L-Glutamic acid

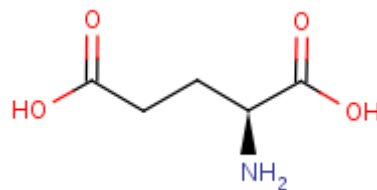
CAT N° : P1011

L-Glutamic acid is a non-essential amino acid

Molecular weight : 147.13g/mol

CAS N° : 56-86-0

Chemical formula : C₅H₉NO₄



Physical Property	Value	Units	Temp (deg C)
Melting Point	224	deg C	
pKa Dissociation Constant	2.23	(none)	0
Water Solubility	8570	mg/L	25

Storage conditions : Room temperature

Shelf life : 36 months

Tests	General specifications
Description	White powder
Assay (on anhydrous basis)	≥ 98.0%
pH	2.5 to 4.0
Specific rotation	+31° to +32.5°
Arsenic	≤ 1ppm
Heavy metals	≤ 10ppm
Iron	≤ 10ppm

Recommended use :

- Respect storage conditions of the product
- Do not use the product after its expiry date
- Store the product in a dry area
- Wear clothes adapted to the manipulation of the product to avoid contamination (e.g. : gloves, mask, hygiene cap, overall...)
- Protect the product from any form of humidity
- Use, in one time, after opening, the entire quantity of product of the container. If it is not possible, close the container immediately after sampling the quantity of powder required.

The product is intended to be used in vitro, in laboratory only. Do not use it in therapy, human or veterinary applications.