

L-Alanyl-L-Glutamine, stable Glutamine

CAT N°: PM-P1432

Storage conditions: Room temperature

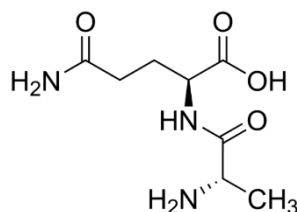
Shelf life: 36 months

Composition: L-Alanyl-L-Glutamine

Molecular weight: 217,22 g/mol

CAS Number: 39537-23-0

Chemical Formula: C₈H₁₅N₃O₄



Appearance: White to off-white powder

Solubility: Soluble in water at room temperature (50mg/l clear solution).

Endotoxin: < 1 EU/ml

Assay: 99.0% - 101.0%

Chloride: < 0.02 %

Heavy metal: < 10 ppm

Loss on drying: < 1 %

Residue on ignition: < 0.2%

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 for research or further manufacturing only and not for use as an Active Pharmaceutical Ingredient or food or animal feed.

Application:

L-Alanyl-L-Glutamine (Ala-Gln) is a dipeptide that is used as a substitute for L-Glutamine in mammalian cell culture media. L-Glutamine is unstable in solution and forms ammonia which can have deleterious effects on cells in culture. L-Alanyl-L-Glutamine is stable to heat sterilization and is less ammoniagenic than L-Glutamine, which contributes to its advantages as a media component.

Uses:

Not applicable

Signs of deterioration:

Not applicable