

## L-Alanyl-L-Glutamine, stable Glutamine

CAT N° : P1031

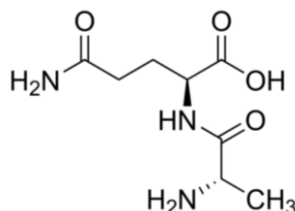
### Product Description :

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.

**Molecular Weight :** 217.22 g/mol

**CAS N°:** 39537-23-0

**Chemical Formula :** C<sub>8</sub>H<sub>15</sub>N<sub>3</sub>O<sub>4</sub>



**Storage conditions :** Room temperature

**Shelf life :** 36 months

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

### Analyses :

Appearance: White powder  
 Assay: 98.5 to 101.5 %  
 Specific rotation: +9.0 to +11.0°

### 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.