

Technical data sheet

L-Alanyl-L-Glutamine, stable Glutamine

Cat. Nr.:	AC-AS-0008	10 g	Molecular weight:	217,22 g/mol
	AC-AS-0009	100 g	CAS number:	39537-23-0
			Chemical formula:	C ₈ H ₁₅ N ₃ O ₄

Product Description:

L-Alanyl-L-Glutamine (Ala-Gln) is a dipeptide that 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.

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 (gloves, mask, hygiene cap, overall,...)
 - Protect the product from any form of humidity
 - Use, in one time, after opening, the entire quantity of the 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.*