

Product Name: Ala-Gln

Catalog No.: 5823

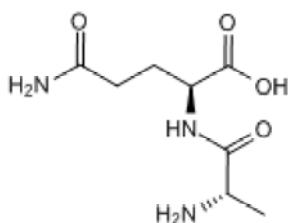
Batch No.: 1

CAS Number: 39537-23-0

IUPAC Name: L-Alanyl-L-glutamine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₈H₁₅N₃O₄
Batch Molecular Weight: 217.22
Physical Appearance: White solid
Solubility: water to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: [α]_D = +11 (Concentration = 2, Solvent = Water)
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	44.23	6.96	19.34
Found	43.99	6.93	19.32

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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IUPAC Name: L-Alanyl-L-glutamine

Description:

Stable form of L-glutamine. Commonly used in cell culture.

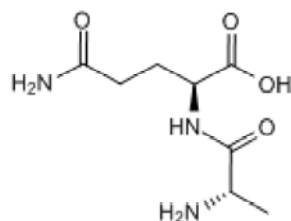
Physical and Chemical Properties:

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Solubility & Usage Info:

water to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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