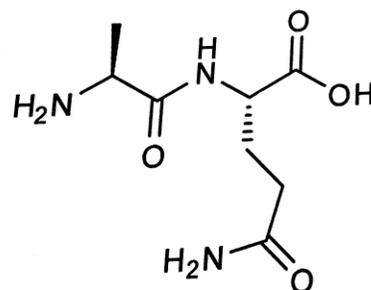

Catalog	Unit
TBI3263-10G	10 g
TBI3263-50G	50 g

Product Details

Formal Name: L-Alanyl-L-glutamine
Alternate Names: Alanyl-L-Glutamine; Ala-Gln; Glutamine-S
Molecular Formula: C₈H₁₅N₃O₄
Formula Weight: 217.2
CAS Number: 39537-23-0
Purity: >98%
Formulation: Powder
Solubility: Soluble in water (50 mg/ml)
Storage: -20°C
Stability: ≥ 3 years.



Applications

Dipeptide substitute for L-Glutamine

Functions

L-Glutamine is an essential supplement for cell culture however it is unstable and degrades to pyroglutamate and ammonia. L-alanyl-L-glutamine (Ala-Gln) is used in cell culture as a widely used alternative delivery form of L-glutamine which has increased stability under cell culture conditions. In addition to increased stability during cell culture, another advantage of using Ala-Gln in place of L-glutamine is that it reduces the level of ammonia generated which is toxic to cells.

Application Procedures

First dissolved in Soluble in DMSO (50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.