Creative Enzymes®

L-alanyl-L-Glutamine

Cat. No. EXTZ-786

Lot. No. (See product label)

Introduction

Description	L-alanyl-L-Glutamine (Alanyl-glutamine, Ala-Gln) is a highly stable, nutritionally fortified dipeptide formed by the peptide bond between L-alanine and L-glutamine. It appears as a white crystalline powder and is highly soluble in water. Compared to free glutamine, it offers key advantages such as stability in aqueous solutions, resistance to high-temperature sterilization, and reduced tendency to degrade and produce ammonia; Once ingested, it is rapidly hydrolyzed into alanine and glutamine, efficiently contributing to protein and nucleic acid synthesis, regulating immune and intestinal functions, and supporting tissue repair. It is widely used in sports nutrition, medical foods, functional beverages, infant formula, and high-end health supplements.

Product Information

Appearance	White crystalline powder
CAS No.	39537-23-0
Molecular Formula	C8H15N3O4
Molecular Weight	217.22
Purity	≥98%