

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications

Catalogue Number 05793

Product **H- γ -Glu-Gln-OH**

CAS Number H-Glu(Gln-OH)-OH

10148-81-9

Molecular Formula C₁₀H₁₇N₃O₆

Molecular Weight 275.26

Appearance White powder

Solubility Clear, colorless solution (10 mg/mL in AcOH 80%)

**Water Content (Karl
Fisher)** $\leq 1\%$

TLC System Methanol/Chloroform/Ammonia 17% (2:2:1)
Isopropanol/Ammonia conc. (1:1)
n-butanol/Acetic Acid/H₂O (4:2:2)
Plate: silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine

Optical Rotation $[\alpha]_D^{24} = +7 \pm 2^\circ$ (C=2 in 0.5 N HCl)

Assay $\geq 98\%$ (Elemental analysis based on Nitrogen content)

Purity by TLC $\geq 99\%$

Storage Store at 0-8 °C

For Laboratory Use Only