

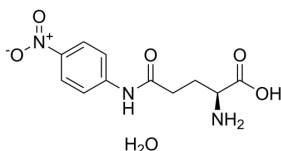
## L-γ-Glutamyl-p-nitroanilide (hydrate)

Cat. No.: HY-W345421  
 CAS No.: 122864-94-2  
 Batch No.: 310538  
 Chemical Name: L-Glutamine, N-(4-nitrophenyl)-, monohydrate

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{11}H_{15}N_3O_6$   
 Molecular Weight: 285.25  
 Storage: 4°C, sealed storage, away from moisture  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### Chemical Structure:



### ANALYTICAL DATA

Appearance: Light yellow to yellow (Solid)  
 $^1H$  NMR Spectrum: Consistent with structure  
 LCMS: Consistent with structure  
 Purity (LCMS): 99.54%  
 Optical Rotation: 34° (C=1.09 g/100ml, 0.5N HCL)  
 Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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