

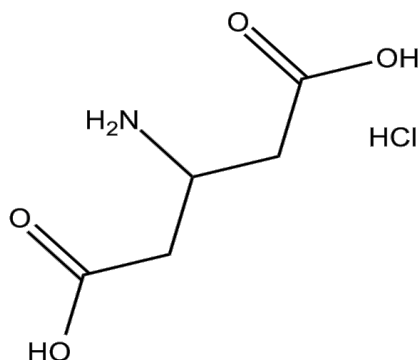
## Certificate of Analysis

Product Name: H-?-HoAsp.HCl  
Cat. No.: GA10080  
Batch No.: 1  
Chemical Name: 3-aminopentanedioic acid hydrochloride

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 336182-10-6  
Molecular Formula:  $C_5H_9ClNO_4$   
Molecular Weight: 183.59  
Storage:

Chemical Structure:



### ANALYTICAL DATA

Appearance: solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >98%  
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.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA