

## Certificate of Analysis

Product Name: H-D-Ala-D-Ala-D-Ala-OH  
Cat. No.: GA22181  
Batch No.: 1  
Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 1114-94-9  
Molecular Formula:  $C_9H_{17}N_3O_4$   
Molecular Weight: 231.25  
Storage: Store at  $-20^{\circ}C$

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.**

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