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**Certificate of Analysis**

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Product Name: H-Arg-pNA.2HCl  
Cat. No.: GA11100  
Batch No.: 1  
Chemical Name: (2S)-2-amino-5-(diaminomethylideneamino)-N-(4-nitrophenyl)pentanamide;dihydrochloride

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 40127-11-5  
Molecular Formula:  $C_{12}H_{18}N_6O_3 \cdot 2HCl$   
Molecular Weight: 367.3  
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.**

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