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**Certificate of Analysis**

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Product Name: GGACK Dihydrochloride  
Cat. No.: GC15800  
Batch No.: 1  
Chemical Name: (S)-4-amino-5-((2-(((S)-1-chloro-6-((diaminomethylene)amino)-2-oxohexan-3-yl)amino)-2-oxoethyl)amino)-5-oxopentanoic acid dihydrochloride

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.:  
Molecular Formula:  $C_{14}H_{25}ClN_6O_5 \cdot 2HCl$   
Molecular Weight: 465.76  
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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