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**Certificate of Analysis**

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Product Name: Nociceptin (1-7)  
Cat. No.: GC18035  
Batch No.: 1  
Chemical Name: (2S,8S,11S,20S)-20-amino-11-benzyl-8-((R)-1-hydroxyethyl)-2-methyl-4,7,10,13,16,19-hexaoxo-21-phenyl-3,6,9,12,15,18-hexaazahenicosan-1-oic acid

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 178249-42-8  
Molecular Formula:  $C_{31}H_{41}N_7O_9$   
Molecular Weight: 655.7  
Storage: Desiccate at -20°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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