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## Certificate of Analysis

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Product Name: TLQP 21

Cat. No.: GC11496

Batch No.: 1

Chemical Name: (S)-5-guanidino-2-((Z)-((S)-1-hydroxy-2-((Z)-(hydroxy((S)-1-((S)-1-((1Z,3S,4Z,6S,7Z,9S,10Z,12S,13Z,15S,16Z,18S,19Z,21S,22Z,24S,25Z,27S,28Z,30S,31Z,33S,34Z,36S)-21,27,30-tris((1H-imidazol-5-yl)methyl)-1-((S)-1-((S)-1-((S)-2-((Z)-((S)-2-((Z)-((2S,3R)-2-amin

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 869988-94-3  
Molecular Formula: C<sub>107</sub>H<sub>170</sub>N<sub>40</sub>O<sub>26</sub>  
Molecular Weight: 2432.75  
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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