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## Certificate of Analysis

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Product Name: Charybdotoxin

Cat. No.: GC17272

Batch No.: 1

Chemical Name: (2S)-2-((Z)-((2S)-2-((Z)-(((1R,2E,4S,5Z,7R,12R,13Z,15S,16Z,18S,19Z,21S,22Z,24S,25Z,27S,28Z,30S,31Z,33S,34Z,36S,37Z,40Z,42S,43Z,45R,50R,51Z,53S,54Z,56S,24-((1H-imidazol-5-yl)methyl)-89-((1H-i

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 95751-30-7  
Molecular Formula: C<sub>176</sub>H<sub>277</sub>N<sub>57</sub>O<sub>55</sub>S<sub>7</sub>  
Molecular Weight: 4295.95  
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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