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## Certificate of Analysis

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Product Name: Mastoparan X

Cat. No.: GC10929

Batch No.: 1

Chemical Name: (S,Z)-2-((Z)-((2S,3S)-2-amino-1-hydroxy-3-methylpentylidene)amino)-N<sup>1</sup>-((2S,3Z,5S,6Z,9Z,11S,12Z,14S,15Z,17S,18Z,20S,21Z,23S,24Z,26S,27Z,29S,30Z,32S,33Z,35S)-5,26,29-tris(4-aminobutyl)-11-((S)-sec-butyl)-3,6,9,12,15,18,21,24,27,30,33-undecahydroxy-35-(hydr

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 72093-22-2  
Molecular Formula: C<sub>73</sub>H<sub>126</sub>N<sub>20</sub>O<sub>15</sub>S  
Molecular Weight: 1555.98  
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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