

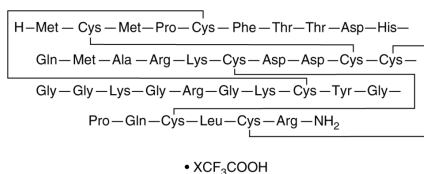
Certificate of Analysis

Product Name: Chlorotoxin (trifluoroacetate salt)
 Cat. No.: GC92127
 Batch No.: 1
 Chemical Name: L-methionyl-L-cysteinyl-L-methionyl-L-prolyl-L-cysteinyl-L-phenylalanyl-L-threonyl-L-threonyl-L- α -aspartyl-L-histidyl-L-glutamyl-L-methionyl-L-alanyl-L-arginyl-L-lysyl-L-cysteinyl-L- α -aspartyl-L- α -aspartyl-L-cysteinyl-L-cysteinylglycylglycyl-L-lysylglycyl-L-arginylglycyl-L-lysyl-L-cysteinyl-L-tyrosylglycyl-L-prolyl-L-glutamyl-L-cysteinyl-L-leucyl-L-cysteinyl-L-argininamide, cyclic (2 $\rightarrow$ 19),(5 $\rightarrow$ 28),(16 $\rightarrow$ 33),(20 $\rightarrow$ 35)-tetrakis(disulfide), trifluoroacetate salt

PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.:
 Molecular Formula: $C_{158}H_{249}N_{53}O_{47}S_{11} \cdot XCF_3COOH$
 Molecular Weight: 3995.7
 Storage: -20°C

Chemical Structure:



ANALYTICAL DATA

Appearance: A solid
 HNMR: Consistent with structure
 HPLC: Consistent with structure
 Purity: >95.00%
 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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