

## Analytical Data Sheet

Lot number **1072340**  
not for drug use

Catalog number **H-6086.0500**

Product number **4044876.0500**

Product **Chlorotoxin trifluoroacetate salt**  
H- Met- Cys- Met- Pro- Cys- Phe- Thr- Thr- Asp- His-  
Gln- Met- Ala- Arg- Lys- Cys- Asp- Asp- Cys- Cys- Gly-  
Gly- Lys- Gly- Arg- Gly- Lys- Cys- Tyr- Gly- Pro- Gln-  
Cys- Leu- Cys- Arg- NH<sub>2</sub> trifluoroacetate salt  
(Disulfide bonds between Cys<sup>2</sup> and Cys<sup>19</sup>/Cys<sup>5</sup> and  
Cys<sup>28</sup>/Cys<sup>16</sup> and Cys<sup>33</sup>/Cys<sup>20</sup> and Cys<sup>35</sup>)

Molecular formula **C<sub>158</sub>H<sub>249</sub>N<sub>53</sub>O<sub>47</sub>S<sub>11</sub>**

Relative molecular mass **3995.77**

Tests	Results
Appearance	white powder
Identification (ESI-MS)	m = 3995.4u (average mass)
Amino acid analysis	Asx 3.0 (3) Ala 1.0 (1) Phe 1.0 (1) Thr 1.8 (2) Cys 4.3 (8) Lys 3.0 (3) Glx 2.0 (2) Met 3.1 (3) His 1.0 (1) Pro 2.0 (2) Leu 1.0 (1) Arg 3.0 (3) Gly 4.9 (5) Tyr 1.0 (1)
Solubility	clear, colorless solution (1 mg/mL in water)
Purity (HPLC)	≥ 98%
Peptide content	81.1%

Latest update: July 08, 2017

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