

Analytical Data Sheet

Lot number **1000001079**
not for drug use

Catalog number **H-6086.1000**

Product number **4044876.1000**

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- NH₂ trifluoroacetate salt
(Disulfide bonds between Cys² and Cys¹⁹/Cys⁵ and
Cys²⁸/Cys¹⁶ and Cys³³/Cys²⁰ and Cys³⁵)

Molecular formula C₁₅₈H₂₄₉N₅₃O₄₇S₁₁

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: June 20, 2018

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