

Analytical Data Sheet

Lot number **1056170**
not for drug use

Catalog number H-1544.1000
Product number 4030173.1000
Product ω - Agatoxin IVa trifluoroacetate salt
 H- Lys- Lys- Lys- Cys- Ile- Ala- Lys- Asp- Tyr- Gly- Arg-
 Cys- Lys- Trp- Gly- Gly- Thr- Pro- Cys- Cys- Arg- Gly-
 Arg- Gly- Cys- Ile- Cys- Ser- Ile- Met- Gly- Thr- Asn-
 Cys- Glu- Cys- Lys- Pro- Arg- Leu- Ile- Met- Glu- Gly-
 Leu- Gly- Leu- Ala- OH trifluoroacetate salt
 (Disulfide bonds between Cys⁴ and Cys²⁰/Cys¹² and
 Cys²⁵/Cys¹⁹ and Cys³⁶/Cys²⁷ and Cys³⁴)
Molecular formula C₂₁₇H₃₆₀N₆₈O₆₀S₁₀
Relative molecular mass 5202.33

Tests	Results
Appearance	white powder
Amino acid analysis	Asx 2.1 (2) Thr 2.1 (2) Ser 0.9 (1) Glx 2.0 (2) Pro 1.9 (2) Gly 7.8 (8) Ala 1.9 (2) Cys 4.9 (8) Met 0.4 (2) Ile 3.0 (4) Leu 2.8 (3) Tyr 1.1 (1) Trp n.d. (1) Lys 5.6 (6) Arg 3.8 (4)
Solubility	at least 1 mg/mL in H ₂ O
Purity (HPLC)	> 95% (reverse phase HPLC)
Peptide content	75%
General comment	Mass Analysis: as expected
General comment	Salt Form: TFA

Latest update: April 30, 2015

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