

Analytical Data Sheet

Lot number	1000051585 not for drug use
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 Cys ⁴ and Cys ²⁰ /Cys ¹² and Cys ²⁵ /Cys ¹⁹ and Cys ³⁶ /Cys ²⁷ and Cys ³⁴)
Product number	4030173.0100
Molecular formula	C ₂₁₇ H ₃₆₀ N ₆₈ O ₆₀ S ₁₀
Relative molecular mass	5202.33

Tests	Results
Appearance	white powder
Amino acid analysis	Asx 2.1 (2) Leu 2.8 (3) Glx 2.0 (2) Lys 5.6 (6) Ala 1.9 (2) Ser 0.9 (1) Ile 3.0 (4) Gly 7.8 (8) Trp n.d. (1) Met 0.4 (2) Thr 2.1 (2) Tyr 1.1 (1) Pro 1.9 (2) Arg 3.8 (4) Cys 4.9 (8)
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

Latest update: July 22, 2021

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