

Analytical Data Sheet

Lot number	1000047548 not for drug use
Product	α-Conotoxin EI (free acid) trifluoroacetate salt H-Arg-Asp-Hyp-Cys-Cys-Tyr-His-Pro-Thr-Cys-Asn-Met-Ser-Asn- Pro-Gln-Ile-Cys-OH trifluoroacetate salt (Disulfide bonds between Cys ⁴ and Cys ¹⁰ /Cys ⁵ and Cys ¹⁸)
Product number	4095662.0100
Molecular formula	C ₈₃ H ₁₂₄ N ₂₆ O ₂₈ S ₅
Relative molecular mass	2094.37

Tests	Results
Appearance	white lyophilized powder
Identification (ESI-MS)	2093.6 u
Amino acid analysis	Arg 1.10 (1) Tyr 1.12 (1) Asx 3.33 (3) Hyp not det. (1) Cys 0.00 (4)* Glx 1.00 (1) His 1.12 (1) Ile 0.99 (1) Met 1.00 (1) Pro 2.23 (2) Ser 1.02 (1) Thr 0.89 (1) * Cys was completely destroyed during hydrolysis
Solubility	1 mg/mL in H ₂ O
Purity (HPLC)	97.1%
Peptide content	84.5%

Latest update: March 30, 2021

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