

Analytical Data Sheet

Lot number **1072794**
not for drug use

Catalog number H-8210.1000
Product number 4025279.1000
Product ω- Conotoxin MVIIA
 H- Cys- Lys- Gly- Lys- Gly- Ala- Lys- Cys- Ser- Arg-
 Leu- Met- Tyr- Asp- Cys- Cys- Thr- Gly- Ser- Cys- Arg-
 Ser- Gly- Lys- Cys- NH₂
 (Disulfide bonds between Cys¹ and Cys¹⁶/Cys⁸ and
 Cys²⁰/Cys¹⁵ and Cys²⁵)
Molecular formula C₁₀₂H₁₇₂N₃₆O₃₂S₇
Relative molecular mass 2639.17

Tests	Results
Appearance	white powder
Identification (ESI-MS)	m = 2637.1Da (monoisotopic mass)
Amino acid analysis	Asx 1.0 (1) Cys 6.2 (6) Arg 1.9 (2) Thr 0.9 (1) Met 0.9 (1) Ser 2.5 (3) Leu 1.0 (1) Gly 4.0 (4) Tyr 1.0 (1) Ala 1.0 (1) Lys 4.1 (4)
Solubility	clear and colorless solution at 2 mg/mL in 2.5 mM TEAP pH 2.3
Purity (HPLC)	≥ 97%
Peptide content	70.5%
General comment	product supplied as trifluoroacetate salt

Latest update: July 25, 2017

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