

Analytical Data Sheet

Lot number **1072170**
not for drug use

Catalog number H-8835.0500
Product number 4030522.0500
Product ω- Conotoxin MVIC
 H- Cys- Lys- Gly- Lys- Gly- Ala- Pro- Cys- Arg- Lys- Thr-
 Met- Tyr- Asp- Cys- Cys- Ser- Gly- Ser- Cys- Gly- Arg-
 Arg- Gly- Lys- Cys- NH₂
 (Disulfide bonds between Cys¹ and Cys¹⁶/Cys⁸ and
 Cys²⁰/Cys¹⁵ and Cys²⁶)
Molecular formula C₁₀₆H₁₇₈N₄₀O₃₂S₇
Relative molecular mass 2749.29

Tests	Results
Appearance	white powder
Identification (MALDI-MS)	m = 2749.42u
Amino acid analysis	Asx 1.0(1) Gly 5.0(5) Tyr 1.0(1) Pro** 3.5(1) Met* 0.7(1) Cys* det. (6) Arg 3.1(3) Lys 4.0(4) Ser* 1.0(2) Thr 1.0(1) Ala 1.0(1) * partially destroyed during acid hydrolysis ** Proline value high due to the incorporation of Cys
Solubility	soluble in 0.1% TFA in water
Purity (HPLC)	> 98%
Assay (AAA)	71.3%
General comment	product supplied as trifluoroacetate salt

Latest update: July 07, 2017

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