

Certificate of Analysis

Product Name: ω-Conotoxin GVIA

Catalog No.: 1085

Batch No.: 45

CAS Number: 106375-28-4

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₂₀H₁₈₂N₃₈O₄₃S₆
Batch Molecular Weight: 3037
Physical Appearance: White lyophilised solid
Counter Ion: TFA
Solubility: Soluble to 1 mg/ml in water
Storage: Store at -20°C
Peptide Sequence:
 Cys-Lys-Ser-Hyp-Gly-Ser-Ser-Cys-Ser-Hyp-
 Thr-Ser-Tyr-Asn-Cys-Cys-Arg-Ser-Cys-Asn-
 Hyp-Tyr-Thr-Lys-Arg-Cys-Tyr-NH₂

2. ANALYTICAL DATA

HPLC: Shows 99.5% purity
Mass Spectrum: Consistent with structure

3. AMINO ACID ANALYSIS DATA

Amino Acid Theoretical Actual			Amino Acid Theoretical Actual		
Ala			Lys	2.00	2.00
Arg	2.00	2.05	Met		
Asx	2.00	2.02	Phe		
Cys	6.00	Not Detected	Pro		
Glx			Ser	6.00	6.05
Gly	1.00	0.98	Thr	2.00	1.94
His			Trp		
Ile			Tyr	3.00	2.97
Leu			Val		

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

