

Certificate Of Analysis

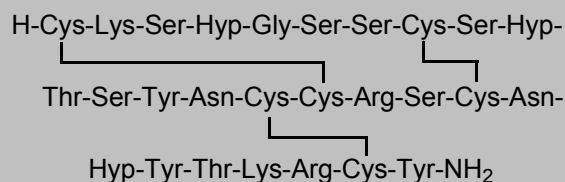
Quality Control Testing and Research Application

COA Preparation Date: 28/11/2014
COA Revision Date: 28/11/2017

Product: ω -Conotoxin GVIA
Cat. No.: BP0079
Batch No.: 0079BP/03
Chemical Name:

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₂₀H₁₈₂N₃₈O₄₃S₆
Batch Molecular Weight: 3037.35
CAS No.: [106375-28-4]
Physical Appearance: White lyophilised solid
Melting Point:
Solubility: Soluble to 1 mg/ml in water
Storage: Desiccate at -20° C
Batch Molecular Structure:



Product Description: Peptide neurotoxin that selectively and reversibly inhibits N-type calcium channels in neurons, but not in muscle. Does not bind to either the dihydropyridine or verapamil binding sites. Peptide first isolated from the marine snail *Conus geographus* L.

References: 1. Tsien et al. (1988) TiNS 11:431; 2. Casali et al. (1997) Br J Pharmacol 120:88; 3. Wright and Angus (1997) J Cardiovasc Pharmacol 30:392; 4. Eterovic (1997) Brain Res 772:191; 5. Herrero (1999) Br J Pharmacol 127:1375

- CAUTION - Not fully tested. For Research use only. Not for human use. -



BIOTREND Chemicals AG
Unterdorfstr. 21
CH-8602 Wangen / Zurich
Switzerland
Tel + 41 44 805 76 76
Fax +41 44 805 76 77
Email: techserv@biotrend.ch
www.biotrend.ch

Certificate Of Analysis
Quality Control Testing and Research Application

COA Preparation Date: 28/11/2014
COA Revision Date: 28/11/2017

BP0079 ω -Conotoxin GVIA

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: HPLC Assay: > 97% (complies).

- CAUTION - Not fully tested. For Research use only. Not for human use. –