

Certificate Of Analysis

Quality Control Testing and Research Application

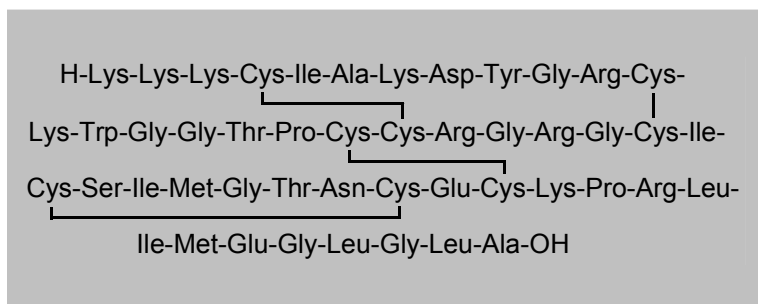
COA Preparation Date: 22/01/2014
 COA Revision Date: 22/01/2017

Product: ω -Agatoxin IVa
Cat. No.: BP0022
Batch No.: 0022BP/03
Chemical Name: ω -Agatoxin IVA

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₁₇H₃₆₀N₆₈O₆₀S₁₀
Batch Molecular Weight: 5202.25
CAS No.:
Physical Appearance: White lyophilised solid
Melting Point:
Solubility: Soluble to 5 mg/ml in water
Storage: Undissolved peptide desiccate at -20° C
 aliquots at -20°C or below, use within a few weeks

Batch Molecular Structure:



Product Description: **Potent, selective blocker of mammalian P-type voltage-dependent calcium channels (K_D = 2 nM). The toxin is found in the venom of the funnel web spider (*Agelenopsis aptera*). Displays low-affinity blockade of neuronal N-type Ca²⁺ channels.**

References: 1. Turner et al. (1992) Science 258:310; 2. Mintz et al. (1992) Neuron 9:85; 3. Mintz et al. (1992) Nature 355:827; 4. Sidach and Mintz (2000) J Neurosci 20:7174

Certificate Of Analysis

Quality Control Testing and Research Application

COA Preparation Date: 22/01/2014
COA Revision Date: 22/01/2017

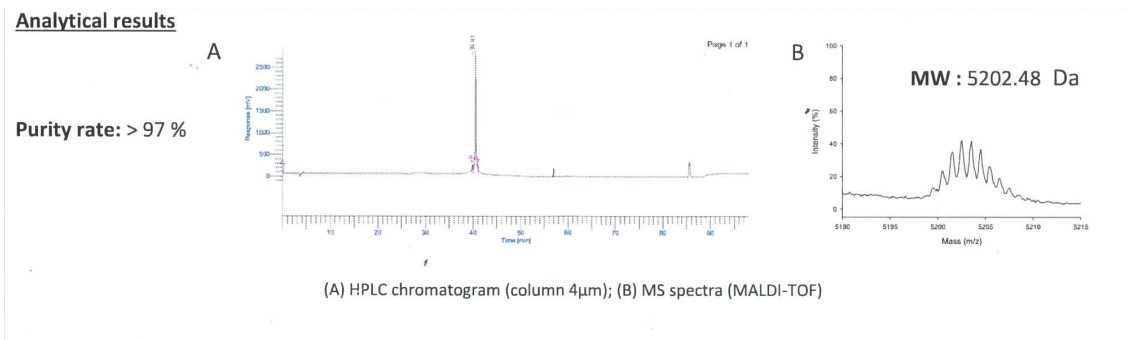
BP0022 ω -Agatoxin IVa

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Counter Ion: Trifluoroacetate; HPLC Assay: > 97% (complies).



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