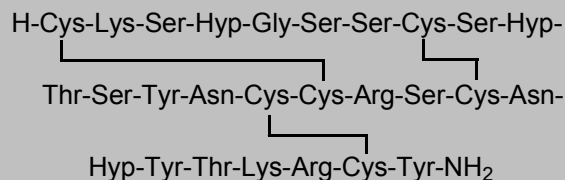


**Certificate Of Analysis**  
**Quality Control Testing and Research Application**COA Preparation Date: 02/01/2017  
COA Revision Date: 02/01/2020**Product:**  $\omega$ -Conotoxin GVIA  
**Cat. No.:** BP0079  
**Batch No.:** 0079BP/04  
**Chemical Name:****1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C<sub>120</sub>H<sub>182</sub>N<sub>38</sub>O<sub>43</sub>S<sub>6</sub>  
**Batch Molecular Weight:** 3037.4  
**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. –

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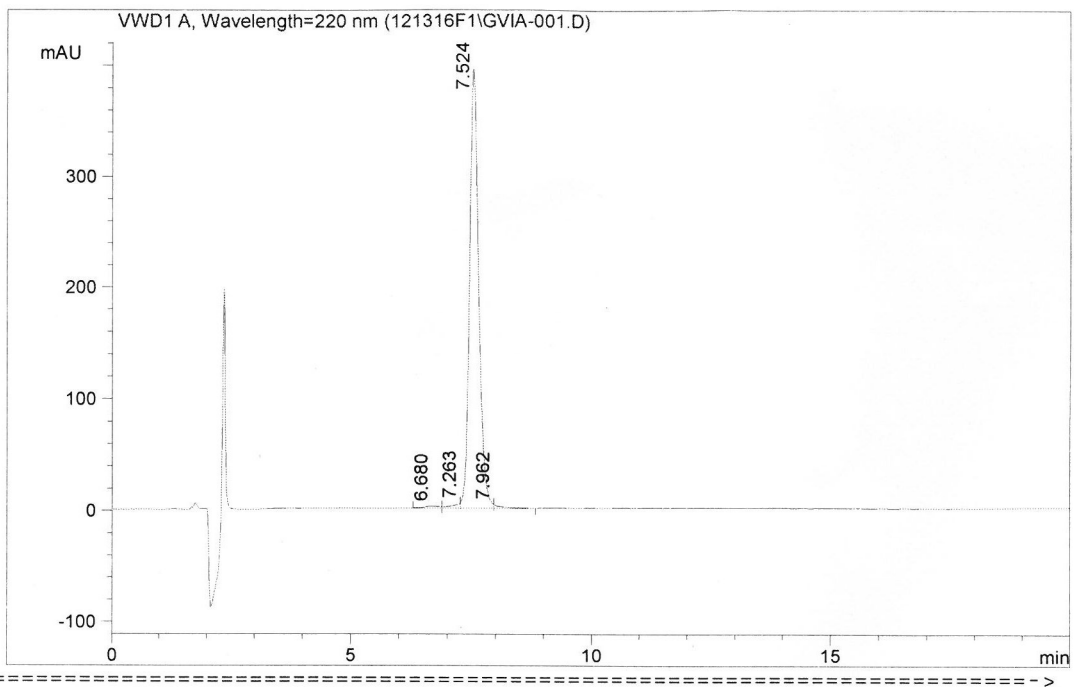
**BP0079 ω-Conotoxin GVIA**

**2. ANALYTICAL DATA**

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Counter Ion: Trifluoroacetate; HPLC Assay: 97.8% (complies).



Signal 1:VWD1 A, Wavelength=220 nm

Peak #	RT [min]	Type	Height	Width [min]	Area mAU*S	Area %
1	6.680	BV	1.518	0.275	29.67916	0.5590
2	7.263	VV	4.422	0.174	46.11671	0.8685
3	7.524	VF	393.720	0.198	5194.97168	97.8375
4	7.962	VP	3.386	0.192	39.02627	0.7350

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