

## Product datasheet

# $\omega$ -Conotoxin GVIA ab120215

### 8 References

#### Overview

<b>Product name</b>	$\omega$ -Conotoxin GVIA
<b>Description</b>	Ca <sup>2+</sup> channel blocker (N type)
<b>Biological description</b>	Synthetic toxin originally isolated from <i>Conus geographus</i> . Specific blocker of Cav2.2 (N-type) Ca <sup>2+</sup> channels. Binds to the Cav2.2 $\alpha$ 1 subunit ( $\alpha$ 1B) and its action is only partially reversible.
<b>Purity</b>	> 96%
<b>General notes</b>	To purchase this product, additional information may be required for security reasons. Please contact customer services for further details.

#### Properties

<b>Molecular weight</b>	3037.40
<b>Chemical structure</b>	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-NH <sub>2</sub> (Disulfide bridges: 1-16, 8-19 and 15-26)
<b>Molecular formula</b>	C <sub>120</sub> H <sub>182</sub> N <sub>38</sub> O <sub>43</sub> S <sub>6</sub>
<b>CAS Number</b>	106375-28-4
<b>Sequence</b>	CKSXGSSCSXTSYNCCRSCNXYTKRCY (Modifications: C-terminal amide; X-4 = Hyp; X-10 = Hyp; X-21 = Hyp; Disulfide bonds: 1-16, 8-19, 15-26)
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water
<b>Handling</b>	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one week. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.  Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.
<b>Source</b>	Synthetic

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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