

Product datasheet

ω -Conotoxin GVIA ab120215

8 References

Overview

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

Properties

Molecular weight	3037.40
Chemical structure	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 ₂ (Disulfide bridges: 1-16, 8-19 and 15-26)
Molecular formula	C ₁₂₀ H ₁₈₂ N ₃₈ O ₄₃ S ₆
CAS Number	106375-28-4
Sequence	CKSXGSSCSXTSYNCCRSCNXYTKRCY (Modifications: C-terminal amide; X-4 = Hyp; X-10 = Hyp; X-21 = Hyp; Disulfide bonds: 1-16, 8-19, 15-26)
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water
Handling	<p>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.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
Source	Synthetic

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team