

Product datasheet

Phrixotoxin-3, Voltage-gated Na⁺ channel blocker
ab141845

1 Image

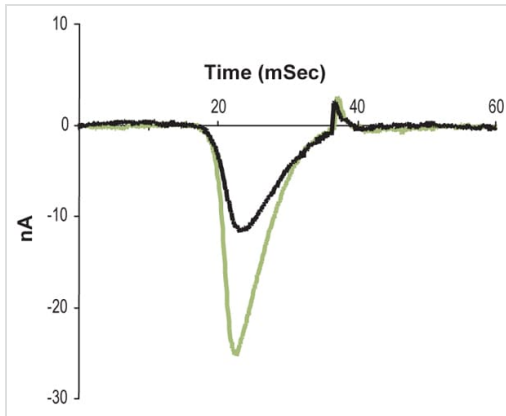
Overview

Product name	Phrixotoxin-3, Voltage-gated Na ⁺ channel blocker
Description	Voltage-gated Na ⁺ channel blocker
Purity	> 99%
Chemical structure	<div style="border: 1px solid #ccc; padding: 5px; font-family: monospace; font-size: 0.8em;"> Asp-Cys-Leu-Gly-Phe-Leu-Trp-Lys-Cys-Asn-Pro-Ser-Asn-Asp-Lys-Cys-Cys-Arg-Pro-Asn-Leu-Val-Cys-Ser-Arg-Lys-Asp-Lys-Trp-Cys-Lys-Tyr-Gln-Ile (Disulfide bridges: 2-17, 9-23 and 16-30) </div>

Properties

Molecular weight	4060.00
Molecular formula	C ₁₇₆ H ₂₆₉ N ₅₁ O ₄₈ S ₆
Sequence	DCLGFLWKCNPNSDKCCRPNLVCSRKDKWCKYQI (Modifications: Disulfide bonds: 2-17, 9-23, 16-30)
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Any aqueous buffer. Centrifuge all product preparations before use (10000 x g 5 min).
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 month. 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>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
Source	Synthetic

Images



Functional Studies - Phrixotoxin-3, Voltage-gated
Na⁺ channel blocker (ab141845)

Phrixotoxin-3 inhibits NaV1.2 channels heterologously expressed in *Xenopus* oocytes.

Superimposed traces of NaV1.2 currents before (green) and during (black) application of 300 nM Phrixotoxin-3 (ab141845). Currents were elicited from a holding potential of -100 mV and test pulses of 35 ms to +60 mV were delivered every 5 sec.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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