

Product datasheet

Tityustoxin K alpha,  $K_v$  1.2  $K^+$  channel blocker ab141867

1 Image

Overview

<b>Product name</b>	Tityustoxin K alpha, $K_v$ 1.2 $K^+$ channel blocker
<b>Description</b>	Potent $K_v$ 1.2 $K^+$ channel blocker
<b>Biological description</b>	Potent $K_v$ 1.2 $K^+$ channel blocker ( $IC_{50}$ = 8 nM). Similar properties to a delayed rectifier. Active <i>in vitro</i> .
<b>Purity</b>	> 99%
<b>CAS Number</b>	39465-37-7
<b>Chemical structure</b>	<p>Val-Phe-Ile-Asn-Ala-Lys-Cys-Arg-Gly-Ser-Pro-Glu-Cys-Leu-Pro-Lys-Cys-Lys-Glu-Ala-Ile-Gly-Lys-Ala-Ala-Gly-Lys-Cys-Met-Asn-Gly-Lys-Cys-Lys-Cys-Tyr-Pro</p> <p>(Disulfide bridges: 7-28, 13-33 and 17-35)</p>

Properties

<b>Molecular weight</b>	3942.00
<b>Molecular formula</b>	$C_{168}H_{275}N_{49}O_{46}S_7$
<b>Sequence</b>	VFINAKCRGSPECLPKCKEAIKGAAGKCMNGKCKCYP (Modifications: Disulfide bonds: 7-28, 13-33, 17-35)
<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>	<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>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>Source</b>	Synthetic

## Images

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Val-Phe-Ile-Asn-Ala-Lys-Cys-Arg-Gly-Ser-Pro-Glu-  
Cys-Leu-Pro-Lys-Cys-Lys-Glu-Ala-Ile-Gly-Lys-Ala-  
Ala-Gly-Lys-Cys-Met-Asn-Gly-Lys-Cys-Lys-Cys-Tyr-Pro

(Disulfide bridges: 7-28, 13-33 and 17-35)

Chemical Structure - Tityustoxin K alpha, K<sub>v</sub>1.2 K<sup>+</sup>  
channel blocker (ab141867)

2D chemical structure image of ab141867, Tityustoxin K alpha,  
Kv1.2 K<sup>+</sup> channel blocker

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

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