

## Product datasheet

# Charybdotoxin, K<sup>+</sup> channel blocker ab120269

[4 References](#) [1 Image](#)

### Overview

<b>Product name</b>	Charybdotoxin, K <sup>+</sup> channel blocker
<b>Description</b>	K <sup>+</sup> channel blocker
<b>Biological description</b>	Blocks KCa1.1 (large conductance Ca <sup>2+</sup> activated K <sup>+</sup> , Slo) channels in nanomolar concentrations as well as Kv1.2 (K <sub>d</sub> = 14 nM) and Kv1.3 (K <sub>d</sub> = 2.6 nM) channels.
<b>CAS Number</b>	95751-30-7
<b>Chemical structure</b>	<div> Glp-Phe-Thr-Asn-Val-Ser-Cys-Thr-Thr-Ser-Lys-Glu-Cys-Trp-Ser-Val-Cys-Gln-Arg-Leu-His-Asn-Thr-Ser-Arg-Gly-Lys-Cys-Met-Asn-Lys-Lys-Cys-Arg-Cys-Tyr-Ser (Disulfide bridges: 7-28, 13-33 and 17-35) </div>

### Properties

<b>Molecular weight</b>	4295.89
<b>Molecular formula</b>	C <sub>176</sub> H <sub>277</sub> N <sub>57</sub> O <sub>55</sub> S <sub>7</sub>
<b>Sequence</b>	XFTNVSCCTSKECWSVCQRLHNTSRGKCMNKKCRCYS (Modifications: X-1 = Glp; Disulfide bonds: 7-28, 13-33, 17-35)
<b>PubChem identifier</b>	56842037
<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>Refer to SDS for further information</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

Gln-Phe-Thr-Asn-Val-Ser-Cys-Thr-Thr-Ser-Lys-Glu-Cys-Trp-Ser-Val-Cys-  
Gln-Arg-Leu-His-Asn-Thr-Ser-Arg-Gly-Lys-Cys-Met-Asn-Lys-Lys-Cys-Arg-  
Cys-Tyr-Ser (Disulfide bridges: 7-28, 13-33 and 17-35)

Chemical Structure - Charybdotoxin, K<sup>+</sup> channel  
blocker (ab120269)

2D chemical structure image of ab120269, Charybdotoxin, K<sup>+</sup>  
channel blocker

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