

Product datasheet

$\alpha$ -Bungarotoxin ab120542

6 References

概述

<b>产品名称</b>	$\alpha$ -Bungarotoxin
<b>描述</b>	Subtype-selective $\alpha 7$ nAChR拮抗剂
<b>生物学描述</b>	Irreversible antagonist of nicotinic acetylcholine receptors (nAChRs). 74-aa polypeptide derived from the venom of the banded krait, <i>Bungarus multicinctus</i> . Selective for $\alpha 7$ receptors over $\alpha 3\beta 4$ receptors (IC <sub>50</sub> values are 1.6 nM and >3 $\mu$ M, respectively). Blocks neuromuscular transmission. Inhibits opening of nicotinic receptor-associated ion channels.

性能

<b>分子量</b>	7984.14
<b>化学结构</b>	Ile-Val-Cys-His-Thr-Thr-Ala-Thr-Ser-Pro-Ile-Ser-Ala-Val-Thr-Cys-Pro-Pro-Gly-Glu-Asn-Leu-Cys-Tyr-Arg-Lys-Met-Trp-Cys-Asp-Ala-Phe-Cys-Ser-Ser-Arg-Gly-Lys-Val-Val-Glu-Leu-Gly-Cys-Ala-Ala-Thr-Cys-Pro-Ser-Lys-Lys-Pro-Tyr-Glu-Glu-Val-Thr-Cys-Cys-Ser-Thr-Asp-Lys-Cys-Asn-Pro-His-Pro-Lys-Gln-Arg-Pro-Gly (Disulfide bridges: 3-23, 16-44, 29-33, 48-59 and 60-65)
<b>分子式</b>	C <sub>338</sub> H <sub>529</sub> N <sub>97</sub> O <sub>105</sub> S <sub>11</sub>
<b>CAS编号</b>	11032-79-4
<b>序列</b>	MCHTTATSPISAVTCCPPGENLCYRKMWCDAFCSSRGKVVELGCAATCPSKKPYEEVTCCSTDKCNPHPKQRPG (Modifications: Disulfide bonds: 3-23, 16-44, 29-33, 48-59, 60-65)
<b>PubChem识别号</b>	44264212
<b>存放说明</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>溶解度概述</b>	Soluble in any aqueous buffer. It is recommended that all preparations are centrifuged before use.
<b>处理</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>来源</b>	<i>Bungarus multicinctus</i>

---

## **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.cn/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