

Product datasheet

α -Bungarotoxin ab120542

5 References

概述

产品名称	α -Bungarotoxin
描述	Subtype-selective $\alpha 7$ nAChR拮抗剂
生物学描述	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_{50} values are 1.6 nM and $>3 \mu M$, respectively). Blocks neuromuscular transmission. Inhibits opening of nicotinic receptor-associated ion channels.

性能

分子量	7984.14
化学结构	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)
分子式	$C_{338}H_{529}N_{97}O_{105}S_{11}$
CAS编号	11032-79-4
序列	IVCHTTATSPISAVTCCPPGENLCYRKMWCDAFCSSRGKVVELGCAATCPSKKPYEEVTCSTD (Modifications: Disulfide bonds: 3-23, 16-44, 29-33, 48-59, 60-65)
PubChem识别号	44264212
存放说明	Store at $-20^{\circ}C$. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in any aqueous buffer. It is recommended that all preparations are centrifuged before use.
处理	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 $-20^{\circ}C$. 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 frequently asked questions (FAQ) page for more details.
来源	<i>Bungarus multicinctus</i>

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