

Enzymax, LLC

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Lexington, KY 40503

Product Information

Product Name: α -Neurotoxin
Catalog #: SP1002
Size:

Order: info@enzymax.net
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Product: α -Neurotoxin (Native)

Product Description or background:

α -Neurotoxin is a small post-synaptic neurotoxin that binds nicotinic receptors and blocks cholinergic neurotransmission at the neuromuscular junction. Binding is irreversible. α -Neurotoxin competes nAChR against acetylcholine at the postsynaptic membrane of neuromuscular junction, and interdicts the neuronal signaling transmission. It can be used for non-reliant analgesia and drug rehabilitation.

Source: purified from snake venom of *Naja naja atra*

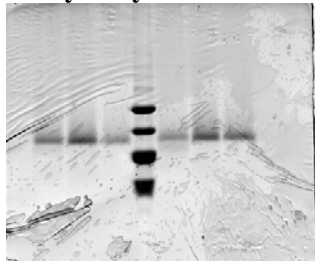
Molecular Weight: 6.8-7.0 kDa

Storage: stable for 12 months at -20°C.

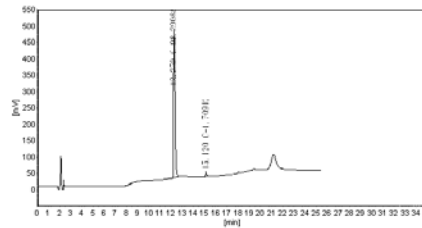
Purity: \geq 95% by FPLC

Presentation: Lyophilized POWDER

Analysis by SDS PAGE Gel



Analysis by HPLC



Snake Type: *Naja naja atra*

Chinese Cobra, widely distribute in provinces south of Yangzi River, including Taiwan.

Protein content (Folin's method): $>90\%$

Humidity: $<5\%$ Insolubility: <0.5

Biotoxicity: LD50: 0.03-0.05mg/kg

