

Enzymax, LLC

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Lexington, KY 40503

Product Information

Product Name: Cardiotoxin 1
Catalog #: SP1004
Size:

Order: info@enzymax.net
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Product: Cardiotoxin 1 (Native)

CAS Number: 155808-00-7

LOCUS: AAB01539

Product Description or background:

Cardiotoxin is the component of the snake venom that is responsible for skeletal muscle necrosis. It also induces increase in capillary permeability that can be prevented by histamine H1-receptor blockers such as dephenhydramin, promethazine and cyproheptadine. This indicates that cardiotoxin may induce histamine release. The E280 of a 1 mg/ml solution is 2.51. The protein contains four intrachain disulfide bonds between C^3-C^{21} , $C^{14}-C^{38}$, $C^{42}-C^{53}$, and $C^{54}-C^{59}$.

Amino Acid Sequence:

mktlllvtlvvtivcldlgytlkcnkcliasktcpgkn
lcykmfmmsdltipvkrgeidvcpknsllvkyvccn
tdrcn

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

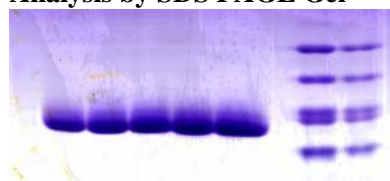
Molecular Weight: 6.6-7kDa

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

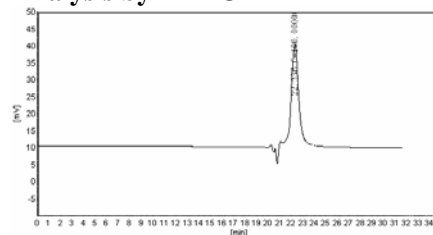
Purity: \geq 95% by FPLC

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

