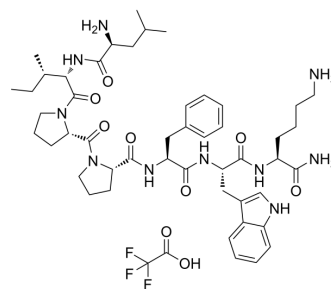


Cardiotoxin Analog (CTX) IV (6-12) (TFA)

Cat. No.:	HY-P1902A
Molecular Formula:	C ₅₀ H ₇₁ F ₃ N ₁₀ O ₉
Molecular Weight:	1013.16
Sequence:	Leu-Ile-Pro-Pro-Phe-Trp-Lys-NH ₂
Sequence Shortening:	LIPPFWK-NH ₂
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 50 mg/mL (49.35 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		0.9870 mL	4.9351 mL	9.8701 mL
		5 mM		0.1974 mL	0.9870 mL	1.9740 mL
10 mM		0.0987 mL	0.4935 mL	0.9870 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (98.70 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	Cardiotoxin Analog (CTX) IV (6-12) (TFA) is a part peptide of Cardiotoxin Analog (CTX) IV. Cardiotoxin analogues IV isolated from the venom of Taiwan Cobra. CTX IV is an unique snake venom cardiotoxin ^[1] .
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CUSTOMER VALIDATION

- Cell Death Dis. 2022 Sep 29;13(9):838.
- Int J Mol Sci. 2023 Mar 5.
- Commun Biol. 2022 Nov 9;5(1):1201.

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- Cell Death Discov. 2022 Apr 30;8(1):236.

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REFERENCES

[1]. Kaneda N, et al. The amino acid sequence of cardiotoxin-analogue IV from the venom of *Naja naja atra*. FEBS Lett. 1976 Nov;70(1):217-22.

Caution: Product has not been fully validated for medical applications. For research use only.

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