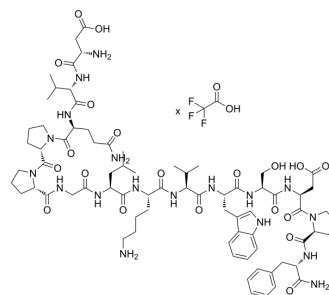


Phoenixin-14 TFA

Cat. No.:	HY-P5762A
Molecular Formula:	$C_{75}H_{110}N_{18}O_{20} \cdot xC_2HF_3O_2$
Sequence:	Asp-Val-Gln-Pro-Pro-Gly-Leu-Lys-Val-Trp-Ser-Asp-Pro-Phe-NH ₂
Sequence Shortening:	DVQPPGLKVVSDPF-NH ₂
Target:	GnRH Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Phoenixin-14 (PNX-14) TFA, a BBB-penetrable neuropeptide, has anxiolytic, cardioprotective and neuroprotective effect. Phoenixin-14 TFA can regulate pituitary gonadotrophin secretion by upregulating the GnRH receptor mRNA. Phoenixin-14 TFA stimulates insulin secretion. Phoenixin-14 TFA also protects mice from ischemia/reperfusion (IR) injury. PNX-14 TFA prevents oxidative stress by reducing ROS and increasing GSH^{[1][2][3]}.

REFERENCES

- [1]. Ma H, et al. Phoenixin 14 inhibits ischemia/reperfusion-induced cytotoxicity in microglia. Arch Biochem Biophys. 2020 Aug 15;689:108411.
- [2]. Rocca C, et al. Phoenixin-14: detection and novel physiological implications in cardiac modulation and cardioprotection. Cell Mol Life Sci. 2018 Feb;75(4):743-756.
- [3]. Jiang JH, et al. Effects of Phoenixin-14 on anxiolytic-like behavior in mice. Behav Brain Res. 2015 Jun 1;286:39-48.

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

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