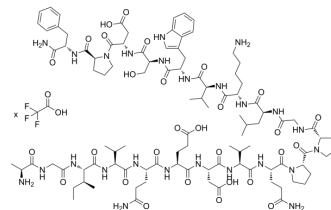


Phoenixin-20 TFA

Cat. No.:	HY-P5763A
Molecular Formula:	$C_{101}H_{153}N_{25}O_{29} \cdot xC_2HF_3O_2$
Sequence:	Ala-Gly-Ile-Val-Gln-Glu-Asp-Val-Gln-Pro-Pro-Gly-Leu-Lys-Val-Trp-Ser-Asp-Pro-Phe-NH 2
Sequence Shortening:	AGIVQEDVQPPGLKVWSDPF-NH2
Target:	Epigenetic Reader Domain; PGC-1 α
Pathway:	Epigenetics; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Phoenixin-20 (TFA) (PNX-20 (TFA)) is a bioactive peptide with hormone-like actions in vertebrates, and can stimulate hypothalamo-pituitary-gonadal hormones and regulate reproductive processes in mammals. Phoenixin-20 (TFA) promotes neuronal mitochondrial biogenesis via CREB-PGC-1 α pathway. Phoenixin-20 (TFA) has anxiolytic effect^{[1][2][3]}.

REFERENCES

- [1]. Yang Y, et al. Phoenixin 20 promotes neuronal mitochondrial biogenesis via CREB-PGC-1 α pathway. *J Mol Histol.* 2020;51(2):173-181.
- [2]. Jiang JH, et al. Effects of Phoenixin-14 on anxiolytic-like behavior in mice. *Behav Brain Res.* 2015;286:39-48.
- [3]. Rajeswari JJ, et al. Phoenixin-20 Stimulates mRNAs Encoding Hypothalamo-Pituitary-Gonadal Hormones, is Pro-Vitellogenic, and Promotes Oocyte Maturation in Zebrafish. *Sci Rep.* 2020;10(1):6264.

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

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