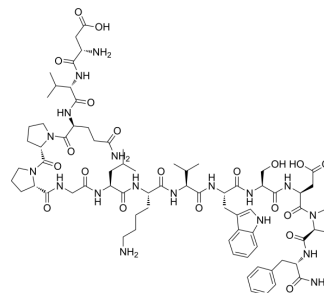


Phoenixin-14

Cat. No.:	HY-P5762
CAS No.:	1415039-79-0
Molecular Formula:	C ₇₅ H ₁₁₀ N ₁₈ O ₂₀
Molecular Weight:	1583.78
Sequence:	Asp-Val-Gln-Pro-Pro-Gly-Leu-Lys-Val-Trp-Ser-Asp-Pro-Phe-NH ₂
Sequence Shortening:	DVQPPGLKVWSDPF-NH ₂
Target:	GnRH Receptor
Pathway:	GPCR/G Protein
Storage:	Sealed storage, away from moisture and light



Powder -80°C 2 years
-20°C 1 year

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

SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (63.14 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.6314 mL	3.1570 mL	6.3140 mL
5 mM	0.1263 mL	0.6314 mL	1.2628 mL
10 mM	0.0631 mL	0.3157 mL	0.6314 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Phoenixin-14 (PNX-14) is one of the endogenous active isoform, and generates anxiolytic effect via the activation of the AHA GnRH system in mice. Phoenixin-14 inhibits ischemia/reperfusion-induced cytotoxicity in microglia^{[1][2]}.

REFERENCES

- [1]. Jiang JH, et al. Effects of Phoenixin-14 on anxiolytic-like behavior in mice. *Behav Brain Res.* 2015;286:39-48.
- [2]. Ma H, et al. Phoenixin 14 inhibits ischemia/reperfusion-induced cytotoxicity in microglia. *Arch Biochem Biophys.* 2020;689:108411.

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

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