

Sauvagine TFA

Cat. No.:	HY-P1298A
Molecular Formula:	C ₂₀₄ H ₃₄₇ F ₃ N ₅₆ O ₆₅ S ₁
Molecular Weight:	4713.33
Sequence Shortening:	{Pry}GPPISIDLSLELLRKMIEIEKQEKEKQQAANNRLLDTH-NH ₂ (Pry)GPPISIDLSLELLRKMIEIEKQEKEKQQAANNRLLDTH-NH ₂ (TFA salt)
Target:	CRFR
Pathway:	GPCR/G Protein
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

H₂O : 20 mg/mL (4.24 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		0.2122 mL	1.0608 mL	2.1216 mL
	5 mM		---	---	---
	10 mM		---	---	---

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

BIOLOGICAL ACTIVITY

Description

Sauvagine TFA, a 40-amino-acid neuropeptide from the skin of the frog, is a mammalian CRF agonist. Sauvagine TFA is effective at releasing ACTH from rat pituitary cells. Sauvagine TFA possesses a number of pharmacological actions on diuresis, the cardiovascular system and endocrine glands^{[1][2][3]}.

REFERENCES

- [1]. David A Lovejoy, et al. Evolution and phylogeny of the corticotropin-releasing factor (CRF) family of peptides: expansion and specialization in the vertebrates. J Chem Neuroanat. 2013 Dec;54:50-6.
- [2]. P C Montecucchi, et al. Amino acid composition and sequence analysis of sauvagine, a new active peptide from the skin of Phyllomedusa sauvagei. Int J Pept Protein Res. 1981 Aug;18(2):113-20.
- [3]. M H Perrin, et al. Corticotropin releasing factor receptors and their ligand family. Ann N Y Acad Sci. 1999 Oct 20;885:312-28.

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

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