

Antisauvagine-30

Cat. No.:	HY-P1107
CAS No.:	220673-95-0
Molecular Formula:	C ₁₆₁ H ₂₇₄ N ₄₈ O ₄₆ S
Molecular Weight:	3650.26
Sequence:	{D-Phe}{His}{Leu}{Leu}{Arg}{Lys}{Met}{Ile}{Glu}{Ile}{Glu}{Lys}{Gln}{Glu}{Lys}{Glu}{Lys}{Gln}{Gln}{Ala}{Ala}{Asn}{Asn}{Arg}{Leu}{Leu}{Leu}{Asp}{Thr}{Ile}-NH ₂ (D-Phe)-HLLRKMIEIEKQEKEKQQAANNRLLDITI-NH ₂
Sequence Shortening:	(D-Phe)-HLLRKMIEIEKQEKEKQQAANNRLLDITI-NH ₂
Target:	CRFR
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

Description	Antisauvagine-30 (aSvg-30) is a potent, competitive and selective CRF₂ receptor antagonist with K_d values of 1.4 nM and 153.6 nM for mouse CRF _{2β} and rat CRF ₁ receptors, respectively ^[1] .
IC ₅₀ & Target	Kd: 1.4 nM (mouse CRF _{2β}) ;Kd: 153.6 nM (rat CRF ₁) ^[1]

REFERENCES

[1]. O Brauns, et al. Pharmacological and chemical properties of astressin, antisauvagine-30 and alpha-helCRF: significance for behavioral experiments. *Neuropharmacology*. 2001 Sep;41(4):507-16.

[2]. Farahnaz Sananbenesi, et al. Mitogen-activated protein kinase signaling in the hippocampus and its modulation by corticotropin-releasing factor receptor 2: a possible link between stress and fear memory. *J Neurosci*

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA