

K41498

Cat. No.:	HY-P1106
CAS No.:	434938-41-7
Molecular Formula:	C ₁₆₂ H ₂₇₆ N ₄₈ O ₄₆
Molecular Weight:	3632.2
Sequence:	{D-Phe}-HLLRK-{Nle}-IEIEKQEKEKQQAANNRLLLDTI-NH ₂ Gln-Ala-Ala-Asn-Asn-Arg-Leu-Leu-Leu-Asp-Thr-Ile-NH ₂
Sequence Shortening:	{D-Phe}-HLLRK-{Nle}-IEIEKQEKEKQQAANNRLLLDTI-NH ₂
Target:	CRFR
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

Description

K41498 is a potent and highly selective **CRF2 receptor** antagonist with K_i values of 0.66 nM, 0.62 nM and 425 nM for human CRF_{2α}, CRF_{2β} and CRF₁ receptors respectively. K41498 is an analogues of antisauvagine-30 (aSvg-30), inhibits sauvagine-stimulated cAMP accumulation in hCRF_{2α}- and hCRF_{2β}-expressing cells. K41498 can be used for hypotension study^[1].

REFERENCES

- [1]. A Rühmann, et al. Design, synthesis and pharmacological characterization of new highly selective CRF(2) antagonists: development of 123I-K31440 as a potential SPECT ligand. *Peptides*. 2002 Mar;23(3):453-60.
- [2]. A J Lawrence, et al. The highly selective CRF(2) receptor antagonist K41498 binds to presynaptic CRF(2) receptors in rat brain. *Br J Pharmacol*

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

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