

Urocortin (rat) acetate

Chemical Properties

CAS No. :

Formula:

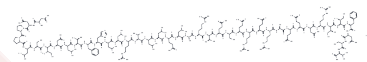
Molecular Weight:

Storage:

Keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Urocortin (rat) acetate is an agonist of endogenous CRFR with Kis of 13 nM, 1.5 nM, and 0.97 nM for human CRF1, rat CRF2 α and mouse CRF2 β , respectively. Urocortin (rat) acetate is a neuropeptide.
Targets(IC50)	CRFR
In vitro	Urocortin (rat) acetate induces cAMP generation with EC50 of 0.15 nM, 0.063 nM, and 0.087 nM for human CRF1, rat CRF2 α and mouse CRF2 β , respectively in stably transfected Chinese hamster ovary cells[1].
In vivo	Urocortin (rat) acetate (0.01 to 10 μ g) decreases food intake in both food-deprived and non-deprived rats and such an effect was observed in mice after Urocortin (1 μ g; i.c.v.) administration[2].

Reference

Skelton KH, et al. The neurobiology of urocortin. Regul Pept. 2000 Sep 25;93(1-3):85-92.

Perrin MH, et al. Corticotropin releasing factor receptors and their ligand family. Ann N Y Acad Sci. 1999 Oct 20; 885:312-28.

Reul JM, et al. Corticotropin-releasing factor receptors 1 and 2 in anxiety and depression. Curr Opin Pharmacol. 2002 Feb;2(1):23-33.

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