

Urocortin, rat

**Chemical Properties**

CAS No.:	171543-83-2
Formula:	C206H338N62O64
Molecular Weight:	4707.26
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	Endogenous CRF agonist. Ki values are 13, 1.5 and 0.97 nM for hCRF1, rCRF2 $\alpha$ and mCRF2 $\beta$ respectively.
In vitro	Urocortin, rat is a selective agonist of CRF receptor, with Kis of 0.32, 2.2, and 0.62 nM for human CRF1, rat CRF2 $\alpha$ and mouse CRF2 $\beta$ , respectively[1].
In vivo	Urocortin (0.01 to 10 $\mu$ g) decreases food intake in both food-deprived and non-deprived rats and such a effect also observed in mice after 1 $\mu$ g of Urocortin i.c.v. administration. Urocortin has the potential of inducing anxiogenic behavior[2].

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.212 mL	1.062 mL	2.124 mL
5 mM	0.042 mL	0.212 mL	0.425 mL
10 mM	0.021 mL	0.106 mL	0.212 mL
50 mM	0.004 mL	0.021 mL	0.042 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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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