

Product Data Sheet

Product Name: Urocortin (human)

Cat. No.: GC17432

Chemical Properties

Cas. No. 176591-49-4

Formula $C_{204}H_{337}N_{63}O_{64}$

M.Wt 4696.29

Solubility Soluble in Water

Storage Desiccate at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Urocortin, human, a 40-aa neuropeptide, acts as a selective agonist of endogenous CRF2 receptor, with K_{is} of 0.4, 0.3, and 0.5 nM for hCRF1, rCRF2 α and mCRF2 β , respectively.

Urocortin, human is a selective agonist of CRF2 receptor, with K_{is} of 0.4, 0.3, and 0.5 nM for human CRF1, rat CRF2 α and mouse CRF2 β receptors in cell assay, respectively[1].

Urocortin (0.01 to 10 μg) decreases food intake in both food-deprived and non-deprived rats and such an effect also observed in mice after 1 μg of Urocortin i.c.v. administration. Urocortin has the potential of inducing anxiogenic behavior[2].

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

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References:

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

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