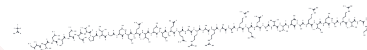


## Urocortin II (human) TFA

## Chemical Properties

CAS No. :	398001-88-2
Formula:	C196H340F3N63O56S
Molecular Weight:	4564.32
Storage:	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 II, a neuropeptide hormone within the corticotropin-releasing factor (CRF) family—which comprises mammalian CRF, urocortin I, urocortin III, frog sauvagine, and piscine urotensin I—displays 34, 43, and 37-40% sequence homology with rat and human CRF, human urocortin I, and human urocortin III, respectively. This compound enhances rabbit ventricular myocyte shortening and relaxation in both a time- and concentration-dependent manner. In vivo studies reveal that urocortin II lowers arterial blood pressure in both normotensive and spontaneously hypertensive rats through peripheral CRF2 receptor agonism, inducing dose-dependent tachycardia and hypotension at doses of 3 and 30 pmol/kg. Additionally, it mitigates the visceral pain response to colorectal distension at 10 and 20 µg/kg in conscious rats and delays gastric emptying in mice.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2191 mL	1.0955 mL	2.1909 mL
5 mM	0.0438 mL	0.2191 mL	0.4382 mL
10 mM	0.0219 mL	0.1095 mL	0.2191 mL
50 mM	0.0044 mL	0.0219 mL	0.0438 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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