

## Urotensin I

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 83930-33-0  |
| Formula:          | C210H340N62O67S2  |
| Molecular Weight: | 4869.46   |
| Storage:          | Keep away from moisture<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><i>Actual storage temperature shall be subject to the COA.</i> |

NDPPISIDLTFHLLRNMIEMARIENEREQAGLNRRKYLDEV-NH<sub>2</sub>

## Biological Description

|               |  |
|---------------|--|
| Description   | Urotensin I is, 41-aa neuropeptide, acts as an agonist of CRF receptor with pEC50s of 11.46, 9.36 and 9.85 for human CRF1, human CRF2 and rat CRF2 $\alpha$ receptors in CHO cells, and Kis of 0.4, 1.8, and 5.7 nM for hCRF1, rCRF2 $\alpha$ and mCRF2 $\beta$ receptors, respectively. Urotensin-I was first isolated from the urophysis of the white sucker, and has been shown to decrease blood pressure in the rat. UI consists of 41 aa residues with an amidated C-terminus. |
| Targets(IC50) | CRFR   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.2054 mL | 1.0268 mL | 2.0536 mL |
| 5 mM  | 0.0411 mL | 0.2054 mL | 0.4107 mL |
| 10 mM | 0.0205 mL | 0.1027 mL | 0.2054 mL |
| 50 mM | 0.0041 mL | 0.0205 mL | 0.0411 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.

## Reference

Smart D, et al. Characterisation using microphysiometry of CRF receptor pharmacology. Eur J Pharmacol. 1999 Aug 27;379(2-3):229-35.

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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481