

Urocortin III, mouse TFA (357952-10-4 free base)

Chemical Properties

CAS No. :

Formula: C188H313N52F3054S2

Molecular Weight: 4286.99

Keep away from moisture

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 III, mouse TFA is a corticotropin-releasing factor (CRF)-related peptide. Urocortin III preferentially binds and activates CRF-R2. Urocortin III (Ucn3) is a known component of the behavioral stress response system. Urocortin III and CRF-R2 in the medial amygdala regulate complex social dynamics.
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Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2333 mL	1.1663 mL	2.3326 mL
5 mM	0.0467 mL	0.2333 mL	0.4665 mL
10 mM	0.0233 mL	0.1166 mL	0.2333 mL
50 mM	0.0047 mL	0.0233 mL	0.0467 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

Proc Natl Acad Sci U S A. 2001 Jun 19;98(13):7570-5. Lewis K, et al. Identification of urocortin III, an additional member of the corticotropin-releasing factor (CRF) family with high affinity for the CRF2 receptor. Identification of urocortin III, an additional member of the corticotropin-releasing factor (CRF) family with high affinity for the CRF2 receptor.

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