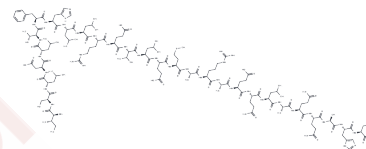


CRF(6-33)(human)

Chemical Properties

CAS No. : 120066-38-8
 Formula: C141H231N41O43S
 Molecular Weight: 3220.68
 Storage: Keep away from moisture
 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 | CRF(6-33)(human) is a peptide inhibitor of corticotropin-releasing factor binding protein (CRFBP) that displaces CRF from CRFBP, suppresses body weight gain, and increases motor activity in obese rats in vivo. |
| Targets(IC50) | CRFR |

Solubility Information

Solubility H2O: 1 mg/mL (0.31 mM), Sonication is recommended.
 (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.3105 mL | 1.5525 mL | 3.1049 mL |
| 5 mM | 0.0621 mL | 0.3105 mL | 0.621 mL |
| 10 mM | 0.031 mL | 0.1552 mL | 0.3105 mL |
| 50 mM | 0.0062 mL | 0.031 mL | 0.0621 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

Heinrichs et al (2001) Dissociation of arousal-like from anxiogenic-like actions of brain corticotropin-releasing factor receptor ligands in rats. Behav.Brain Res. 122 43 PMID:

Heinrichs et al (2001) Selective stimulatory actions of corticotropin-releasing factor ligands on correlates of energy balance. Physiol.Behav. 74 5 PMID:

Jahn et al (2002) The binding protein of corticotropin-releasing factor: ligand-binding site and subunit structure. Proc.Natl.Acad.Sci.U.S.A. 99 12055 PMID:

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