

[Nphe1]Nociceptin(1-13)NH₂ TFA

Chemical Properties

CAS No. :

Formula: C₆₃H₁₀₁F₃N₂₂O₁₇

Molecular Weight: 1495.61

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 | [Nphe1]Nociceptin(1-13)NH ₂ is a novel endogenous ligand for the nociceptin/orphanin FQ (NC) receptor, acting as a selective and competitive antagonist without any agonist effects. It binds specifically to recombinant nociceptin receptors with high affinity (pK _i =8.4) and effectively blocks nociceptin's ability to inhibit cyclic AMP accumulation in CHO cells (pA ₂ =6.0), showcasing potential as an analgesic agent. |
| Targets(IC ₅₀) | Opioid Receptor |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.6686 mL | 3.3431 mL | 6.6862 mL |
| 5 mM | 0.1337 mL | 0.6686 mL | 1.3372 mL |
| 10 mM | 0.0669 mL | 0.3343 mL | 0.6686 mL |
| 50 mM | 0.0134 mL | 0.0669 mL | 0.1337 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481