

## Nociceptin (1-13) amide TFA

## Chemical Properties

CAS No. :

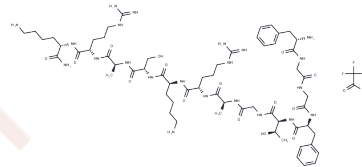
Formula: C63H101F3N22O17

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	Nociceptin (1-13), amide is a potent agonist Opioid receptor-like1 (ORL1) receptor with a pEC50 of 7.9 for mouse vas deferens and a Ki of 0.75 nM for binding to rat forebrain membranes.
Targets(IC50)	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.

## Reference

Varani K, et al. Nociceptin receptor binding in mouse forebrain membranes: thermodynamic characteristics and structure activity relationships. Br J Pharmacol. 1998 Dec;125(7):1485-90.

Kirchhofer S B, Kurz C, Geier L, et al. Dynamics of agonist-evoked opioid receptor activation revealed by FRET-and BRET-based opioid receptor conformation sensors. Communications Biology. 2025, 8(1): 198.

**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