

## Neurotensin TFA

## Chemical Properties

CAS No. :

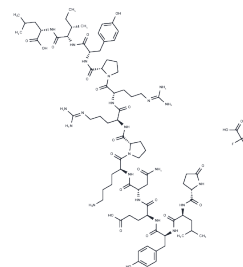
Formula: C<sub>80</sub>H<sub>122</sub>F<sub>3</sub>N<sub>2</sub>O<sub>22</sub>

Molecular Weight: 1786.98

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	Neurotensin TFA (39379-15-2 free base) is an endogenous 13 amino acid neuropeptide with profound opioid-independent analgesic effects. It behaves as a neurotransmitter in the brain, as a hormone in the gut, and also as a neuromodulator. It is implicated in the pathophysiology of several CNS disorders (including schizophrenia, Parkinson's disease, drug abuse, pain, cancer, inflammation, eating disorders, and central control of blood pressure) due to its association with a wide variety of neurotransmitter systems such as dopaminergic, serotonergic, glutamatergic, GABAergic, and cholinergic systems. It has a role as a human metabolite, a mitogen, a neurotransmitter and a vulnerary.
Targets(IC50)	Others,GABA Receptor

## Solubility Information

Solubility	DMSO: 10 mM,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5596 mL	2.798 mL	5.596 mL
5 mM	0.1119 mL	0.5596 mL	1.1192 mL
10 mM	0.056 mL	0.2798 mL	0.5596 mL
50 mM	0.0112 mL	0.056 mL	0.1119 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

Feng YP, Wang J, Dong YL, Wang YY, Li YQ. The roles of neurotensin and its analogues in pain. Curr Pharm Des. 2015;21(7):840-8. doi: 10.2174/1381612820666141027124915.

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