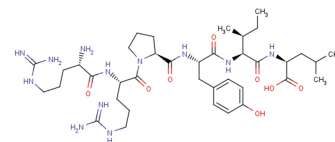


## Neurotensin(8-13)(3TFA)

## Chemical Properties

CAS No.:	60482-95-3
Formula:	C <sub>38</sub> H <sub>64</sub> N <sub>12</sub> O <sub>8</sub>
Molecular Weight:	816.99
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Neurotensin(8-13)(3TFA) is Neurotensin (NT) fragment, Neurotensin(8-13) results in a decrease in cell-surface NT1 receptors (NTR1) density.
Targets(IC <sub>50</sub> )	NTR1: None
In vivo	The internalization of the receptor induced by neurotensin (8-13) leads to a decrease in the density of the NT1 receptor (NTR1) on the cell surface. In ht-29 cells and rat primary cultured neurons, the neurotensin (NT) receptor was down-regulated by high concentrations of extracellular peptides. The representation of cell surface receptors is also different[1]

## Solubility Information

Solubility	H <sub>2</sub> O: 50 mg/mL (61.20 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.224 mL	6.12 mL	12.24 mL
5 mM	0.245 mL	1.224 mL	2.448 mL
10 mM	0.122 mL	0.612 mL	1.224 mL
50 mM	0.024 mL	0.122 mL	0.245 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Elisa García-Garayoa, Peter Bläuenstein, Bruehlmeier M , et al. Preclinical evaluation of a new, stabilized neurotensin(8-13) pseudopeptide radiolabeled with 99mTc[J]. Journal of Nuclear Medicine, 2002, 43(3):374-383.
2. Cusack, B. Proposed Ligand Binding Site of the Transmembrane Receptor for Neurotensin(8-13)[J]. Journal of Biological Chemistry, 1996, 271(25):15060-15068.

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