

Neurotensin(8-13)

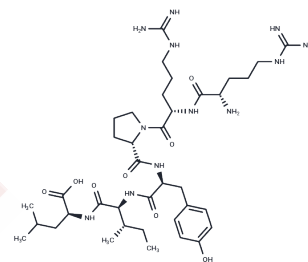
Chemical Properties

CAS No. : 60482-95-3

Formula: C₃₈H₆₄N₁₂O₈

Molecular Weight: 816.99

Storage: Store at low temperature, Keep away from direct sunlight
 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(8-13) is Neurotensin (NT) fragment, Neurotensin(8-13) results in a decrease in cell-surface NT1 receptors (NTR1) density.
Targets(IC50)	Neurotensin Receptor
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 ₂ O: 50 mg/mL (61.2 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	1.224 mL	6.120 mL	12.2401 mL
5 mM	0.2448 mL	1.224 mL	2.448 mL
10 mM	0.1224 mL	0.612 mL	1.224 mL
50 mM	0.0245 mL	0.1224 mL	0.2448 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

Elisa García-Garayoa, Peter Bläuenstein, Bruehlmeier M, et al. Preclinical evaluation of a new, stabilized neurotensin(8-13) pseudopeptide radiolabeled with ^{99m}Tc [J]. Journal of Nuclear Medicine, 2002, 43(3):374-383.

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