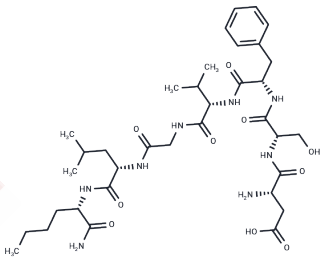
Data Sheet (Cat.No.T33653)

TargetMol

Neurokinin A (4-10), nle(10)-

Chemical Properties



CAS No. : 110863-33-7

Formula: C35H56N8O10

Molecular Weight: 748.87

Storage: 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	Neurokinin A (4-10), nle(10)- is a neurologically active peptide translated from the pre-protachykinin gene. Neurokinin A has many excitatory effects on mammalian nervous systems and on the mammalian inflammatory and pain responses.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3353 mL	6.6767 mL	13.3535 mL
5 mM	0.2671 mL	1.3353 mL	2.6707 mL
10 mM	0.1335 mL	0.6677 mL	1.3353 mL
50 mM	0.0267 mL	0.1335 mL	0.2671 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

Warner FJ, Miller RC, Burcher E. Structure-activity relationship of neurokinin A(4-10) at the human tachykinin NK(2) receptor: the effect of amino acid substitutions on receptor affinity and function. Biochem Pharmacol. 2002 Jun 15; 63(12):2181-6. PubMed PMID: 12110377.

Patak EN, Ziccone S, Story ME, Fleming AJ, Lilley A, Pennefather JN. Activation of neurokinin NK(2) receptors by tachykinin peptides causes contraction of uterus in pregnant women near term. Mol Hum Reprod. 2000 Jun;6(6): 549-54. PubMed PMID: 10825373.

Dougherty PM, Palecek J, Palecková V, Willis WD. Neurokinin 1 and 2 antagonists attenuate the responses and NK1 antagonists prevent the sensitization of primate spinothalamic tract neurons after intradermal capsaicin. J Neurophysiol. 1994 Oct;72(4):1464-75. PubMed PMID: 7823080.

Naline E, Devillier P, Drapeau G, Toty L, Bakdach H, Regoli D, Advenier C. Characterization of neurokinin effects and receptor selectivity in human isolated bronchi. Am Rev Respir Dis. 1989 Sep;140(3):679-86. PubMed PMID: 2476956.

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