

# Neurokinin A (4-10)

Catalog No: tcsc7094



## Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg

**Size:** 25mg



## Specifications

**CAS No:**

97559-35-8

**Formula:**

$C_{34}H_{54}N_8O_{10}S$

**Pathway:**

Neuronal Signaling;GPCR/G Protein

**Target:**

Neurokinin Receptor;Neurokinin Receptor

**Purity / Grade:**

>98%

**Solubility:**

10 mM in H<sub>2</sub>O

**Observed Molecular Weight:**

766.91

## Product Description

Neurokinin A (4-10) is a **tachykinin NK<sub>2</sub> receptor** agonist. Sequence: Asp-Ser-Phe-Val-Gly-Leu-Met-NH<sub>2</sub>.

IC50 & Target: NK<sub>2</sub> receptor<sup>[1]</sup>

***In Vitro:*** Neurokinin A (NKA) and its truncated form NKA(4-10) are potent spasmogens of human colon circular muscle, an action mediated exclusively via tachykinin NK<sub>2</sub> receptors. A structure-activity study of the neurokinin A (NKA) fragment NKA(4-10) is performed to investigate the importance of amino acid residues for receptor efficacy, potency and affinity at the NK<sub>2</sub> receptor in human colon circular muscle. A high density of NK<sub>2</sub> receptors has been demonstrated in this tissue, using in vitro autoradiography and radioligand binding<sup>[1]</sup>.

Asp-Ser-Phe-Val-Gly-Leu-Met-NH<sub>2</sub>

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!