Neurokinin A(4-10) TFA

Cat. No.: HY-P0236A
Molecular Formula: C₃₆H₅₅F₃N₈O₁₂S
Molecular Weight: 880.93
Sequence: Asp-Ser-Phe-Val-Gly-Leu-Met-NH₂
Sequence Shortening: DSFVGLM-NH₂
Target: Neurokinin Receptor
Pathway: GPCR/G Protein; Neuronal Signaling
Storage: Powder -80°C 2 years
-20°C 1 year
In solvent -80°C 6 months
-20°C 1 month

SOLVENT & SOLUBILITY

| In Vitro | H₂O : < 0.1 mg/mL (insoluble) |

BIOLOGICAL ACTIVITY

Description: Neurokinin A (4-10) TFA is a tachykinin NK₂ receptor agonist[1].

IC₅₀ & Target: NK₂ receptor[1]

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 NK₂ 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 NK₂ receptor in human colon circular muscle. A high density of NK₂ receptors has been demonstrated in this tissue, using in vitro autoradiography and radioligand binding[1].

REFERENCES


Caution: Product has not been fully validated for medical applications. For research use only.
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