

Senktide

Catalog No: tcsc8091



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 25mg



Specifications

CAS No:

106128-89-6

Formula:

$C_{40}H_{55}N_7O_{11}S$

Pathway:

Neuronal Signaling;GPCR/G Protein

Target:

Neurokinin Receptor;Neurokinin Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

841.97

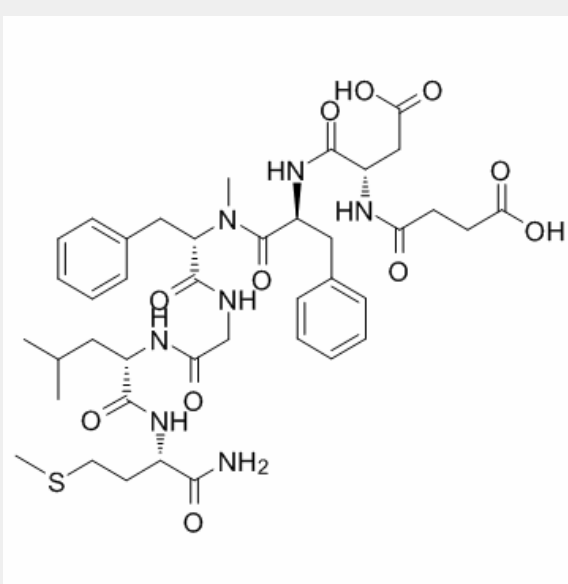
Product Description

Senktide is a tachykinin **NK₃ receptor** agonist.

IC50 & Target: NK₃ receptor^[1]

In Vitro: The selective NK₃ receptor agonist Senktide excites 24 of 31 dopaminergic neurons in the substantia nigra pars compacta in a concentration-dependent manner. The effective concentration range is between 3 to 3000 nm. The mean EC₅₀ for Senktide is 41.2±9 nm (n=5)^[2].

In Vivo: I.c.v. injection of Senktide causes a dose-dependent increase in total distance traveled ($F_{6,72}=6.344$, P3 receptor antagonists talnetant at 30 mg/kg and SB222200 at 30 mg/kg, but not by osanetant, when tested in parallel in a single experiment ($F_{7,78}=10.32$, P2,30=10.10, P[1]).



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