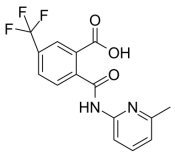
Neurotensin Receptor

Neurotensin receptors are transmembrane receptors that bind the neurotransmitter neurotensin. Two of the receptors encoded by the NTSR1 and NTSR2 genes contain seven transmembrane helices and are G protein coupled. The third receptor has a single transmembrane domain and is encoded by the SORT1 gene. Neurotensin (NTS) is a 13-amino-acid peptide that functions as both a neurotransmitter and a hormone through the activation of the neurotensin receptor NTSR1, a G-protein-coupled receptor (GPCR). In the brain, NTS modulates the activity of dopaminergic systems, opioid-independent analgesia, and the inhibition of food intake; in the gut, NTS regulates a range of digestive processes.

AF38469

Cat. No.: HY-12802

AF38469 is a selective, orally bioavailable **Sortilin** inhibitor with an IC_{50} value of 330 nM.

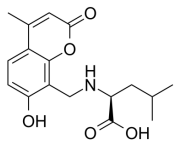


Purity: 99.28%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

AF40431

Cat. No.: HY-124673

AF40431, the first reported small-molecule ligand of sortilin, has an IC_{50} of 4.4 μM and a K_d of 0.7 μM . AF40431 is bound in the neurotensin-binding site of sortilin.

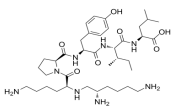


Purity: 99.17%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

JMV 449

Cat. No.: HY-P1256

JMV 449 is a potent **neurotensin receptor** agonist. JMV 449 shows an IC_{50} of 0.5 nM in binding to mouse brain membranes and an EC_{50} of 1.9 nM in contracting the guinea-pig ileum. JMV 449 has highly potent and long-lasting hypothermic and analgesic effects in the mouse.



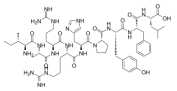
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Kinetensin

(Kinetensin (human))

Cat. No.: HY-P1255

Kinetensin is a **neurotensin**-like peptide isolated from pepsin-treated human plasma.



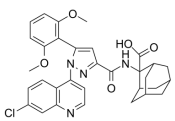
Purity: 99.21%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg

Meclinertant

(SR 48692)

Cat. No.: HY-105189

Meclinertant (SR 48692) is a potent, selective, nonpeptide and orally active **neurotensin receptor 1 (NTS1)** antagonist.

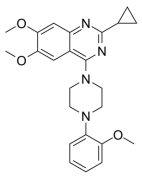


Purity: >99.0%
Clinical Data: Phase 3
Size: 10 mM × 1 mL, 5 mg, 10 mg

ML314

Cat. No.: HY-16639

ML314 is a potent molecule agonist of NTR1 (EC50 = 1.9 μM); showed good selectivity against NTR2 and GPR35, but did not stimulate Ca2+ mobilization.



Purity: 99.54%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg

Neurotensin

Cat. No.: HY-P0234

Neurotensin, a gut tridecapeptide, acts as a potent cellular mitogen for various colorectal and pancreatic cancers which possess high-affinity **neurotensin receptors** (**NTR**).

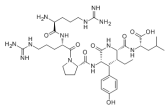
Pyr-LYENKPRRPYIL

Purity: 97.40%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 25 mg

Neurotensin(8-13)

Cat. No.: HY-P0251

Neurotensin (8-13) is an active fragment of Neurotensin. Neurotensin(8-13) results in a decrease in cell-surface NT1 receptors (NTR1) density.

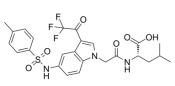


Purity: >98.0%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 25 mg

NTRC-824

Cat. No.: HY-12436

NTRC-824 (Compound 5) is a potent, selective and neurotensin-like nonpeptide **neurotensin receptor type 2 (NTS2)** antagonist with an IC_{50} of 38 nM and a K_i of 202 nM. NTRC-824 is >150-fold selectivity for **NTS2** over NTS1 (K_i >30 μM).

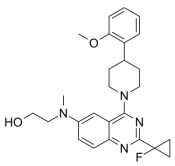


Purity: >98.0%
Clinical Data: No Development Reported
Size: 1 mg

SBI-553

Cat. No.: HY-125880

SBI-553 is a potent and brain penetrant **NTR1** allosteric modulator, with an EC_{50} of 0.34 μM.



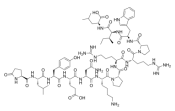
Purity: 98.85%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

Tel: 609-228-6898 Fax: 609-228-5909 Email: sales@MedChemExpress.com

[D-Trp11]-Neurotensin

Cat. No.: HY-P3057

[D-Trp11]-Neurotensin, an analogue of Neurotensin (NT), is a selective antagonist of NT in perfused rat hearts but behaves as a full agonist in guinea pig atria and rat stomach strips.
[D-Trp11]-Neurotensin can inhibit NT-induced hypotension.



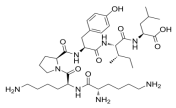
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

[Lys8, Lys9]-Neurotensin (8-13)

(JMV438)

Cat. No.: HY-P2544

[Lys8, Lys9]-Neurotensin (8-13) (JMV438), a Neurotensin analog, exerts its analgesic effects through activation of the G protein-coupled receptors **NTS1** and **NTS2**, with K_i values of 0.33 nM and 0.95 nM for hNTS1 and hNTS2 receptors, respectively.



Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg