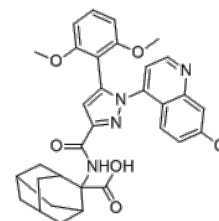


Product Name : SR48692
Cat. No. : PC-60947
CAS No. : 146362-70-1
Molecular Formula : C₃₂H₃₁ClN₄O₅
Molecular Weight : 587.073
Target : Neurotensin Receptor
Solubility : 10 mM in DMSO



Biological Activity

SR48692 (Meclintertant) is a potent, selective and orally active nonpeptide antagonist of **neurotensin receptor** NTSR1 with IC₅₀ of 0.99 nM (guinea pig), without any intrinsic agonist activity.

SR48692 (Meclintertant) blocks K(+)-evoked release of [3H]dopamine stimulated by neurotensin in guinea pig striatal slices with IC₅₀ of 0.46 nM, competitively antagonizes neurotensin-induced intracellular Ca²⁺ mobilization with pA₂ of 8.13 in H29 cells.

SR48692 (Meclintertant) reverses the turning behavior induced by intrastriatal injection of neurotensin in mice.

References

- Dubuc I, et al. *Br J Pharmacol*. 1994 Jun;112(2):352-4.
Steinberg R, et al. *Neuroscience*. 1994 Apr;59(4):921-9.
Brouard A, et al. *Eur J Pharmacol*. 1994 Mar 3;253(3):289-91.
Gully D, et al. *Proc Natl Acad Sci U S A*. 1993 Jan 1;90(1):65-9.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com