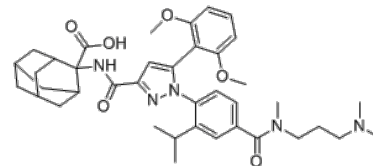


Product Name : SR142948
Cat. No. : PC-60948
CAS No. : 184162-64-9
Molecular Formula : C₃₉H₅₁N₅O₆
Molecular Weight : 685.87
Target : Neurotensin Receptor
Solubility : 10 mM in DMSO



Biological Activity

SR142948 is a potent, selective and orally active **neurotensin receptor** antagonist with IC₅₀ of 1.19 nM. SR142948 antagonizes neurotensin-induced inositol monophosphate formation in HT 29 cells with IC₅₀ of 3.9 nM. SR142948 inhibits the turning behavior induced by neurotensin in mice, completely antagonizes neurotensin-evoked acetylcholine release in the rat striatum at 0.1 mg/kg. SR142948 also blocks both hypothermia and analgesia induced by i.c.v. injection of neurotensin injection into the ventral tegmental area.

References

- Gully D, et al. *J Pharmacol Exp Ther*. 1997 Feb;280(2):802-12.
Betancur C, et al. *Eur J Pharmacol*. 1998 Feb 5;343(1):67-77.
Schaeffer P, et al. *J Cardiovasc Pharmacol*. 1998 Apr;31(4):545-50.

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

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