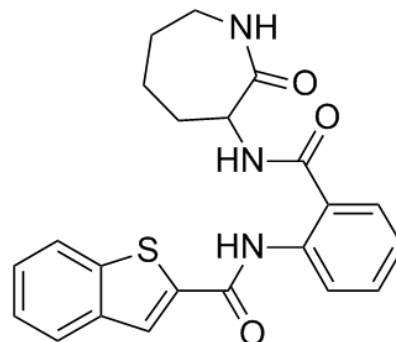


Product Name : ANA-12
Cat. No. : PC-43064
CAS No. : 219766-25-3
Molecular Formula : C₂₂H₂₁N₃O₃S
Molecular Weight : 407.4854
Target : Trk Receptor
Solubility : 10 mM in DMSO



Biological Activity

ANA-12 (Ana12) is a selective **TrkB** antagonist that binds TrkB ECD-Fc with K_d of 12 μ M, prevents BDNF-induced neurite outgrowth (at 10 nM), inhibits processes downstream of TrkB without altering TrkA and TrkC functions. ANA-12 decreases TrkB activity in the brain without affecting neuronal survival, anxiolytic and antidepressant activity in mice.

References

- Cazorla M, et al. *J Clin Invest*. 2011 May;121(5):1846-57.
Walsh JJ, et al. *Nat Neurosci*. 2014 Jan;17(1):27-9.
Chen W, et al. *Eur J Neurosci*. 2014 May;39(9):1439-54.

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

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