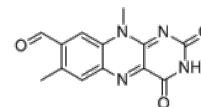


Product Name : Ro 08-2750
Cat. No. : PC-61912
CAS No. : 37854-59-4
Molecular Formula : C₁₃H₁₀N₄O₃
Molecular Weight : 270.24
Target : Trk Receptor
Solubility : 10 mM in DMSO



Biological Activity

Ro 08-2750 (Ro 082750) is a potent, selective, non-peptide nerve growth factor (NGF) inhibitor that binds to NGF dimer with K_d of 1 μM.

Ro 08-2750 selectively inhibits binding of NGF to p75^{NTR} at submicromolar concentrations, and to both p75^{NTR} and TrkA at > 5 μM.

Ro 08-2750 inhibits NGF-induced programmed cell death in SK-N-MC cells.

References

Niederhauser O, et al. J Neurosci Res. 2000 Aug 1;61(3):263-72.

Eibl JK, et al. Eur J Pharmacol. 2013 May 15;708(1-3):30-7.

Chakravarthy R, et al. Biochem Biophys Res Commun. 2016 Sep 30;478(4):1541-7.

Li B, et al. Oncotarget. 2016 Dec 6;7(49):81026-81048.

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

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