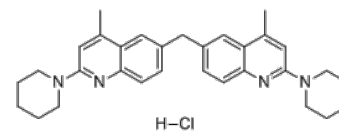


Product Name : NSC13728 hydrochloride
Cat. No. : PC-20799
CAS No. : 5463-36-5
Molecular Formula : C₃₁H₃₇ClN₄
Molecular Weight : 501.12
Target : c-Myc
Solubility : 10 mM in DMSO



Biological Activity

NSC13728 hydrochloride is a specific small molecule stabilizer of the **Max homodimer** inhibiting Myc function, also inhibits **Myc-Max** heterodimerization.

NSC13728 does not significantly enhance DNA binding of the Myc-Max heterodimer or of the Max homodimer, as determined by EMSA analysis.

NSC13728 reduces the association of Myc with Max in a dose-dependent manner in MCF7-35IM cells.

NSC13728 inhibited the Myc-induced formation of transformed cell foci in CEF and growth inhibition in Q8 cells with IC₅₀ of 3 μM.

NSC13728 inhibits growth and complements growth reduction by ICI 182,780 in MCF7-35IM cells.

References

Hao Jiang, et al. *Mol Pharmacol*. 2009 Sep;76(3):491-502.

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

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