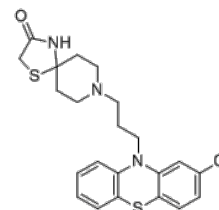


Product Name : NSC290956
Cat. No. : PC-72832
CAS No. : 24527-27-3
Molecular Formula : C₂₂H₂₄ClN₃OS₂
Molecular Weight : 446.024
Target : Ras
Solubility : 10 mM in DMSO



Biological Activity

NSC290956 (Spiclomazine, Clospirazine) is a small molecule inhibitor of **KRas** with K_d of 21.3 μM.

NSC290956 inhibits KRas activity and downstream signaling events in KRas-driven mutant NSCLC cells, decreases the cellular viability, cell cycle, and migration.

NSC290956 changes KRas-dependent metabolic phenotype in Non-small-cell lung cancer cells, regulates mitochondrial dysfunction for apoptosis in both A549 and H358 cells.

NSC290956 shows activity in the KRas mutant cell line xenograft.

References

Jiixin Zhang, et al. *Front Pharmacol.* 2022 Jan 5;12:797821.

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

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