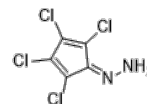


Product Name : NSC126405
Cat. No. : PC-27310
CAS No. : 17581-52-1
Molecular Formula : C₅H₂Cl₄N₂
Molecular Weight : 231.89
Target : mTOR
Solubility : 10 mM in DMSO



Biological Activity

NSC126405 is a small-molecule DEPTOR inhibitor that prevent DEPTOR binding to mTOR, acutely activates mTORC1 and selectively induces MM cell apoptosis and cell cycle arrest, binds to recombinant DEPTOR but not mTOR.

NSC126405 prevents mTOR/DEPTOR binding within MM cell lines and SPR assays.

NSC126405 cytotoxic effect against MM cell lines with the highest DEPTOR expression with IC₅₀ of 0.8-2.5 μ M.

NSC126405 induces apoptosis and cell-cycle arrest in multiple myeloma cell lines and prevents outgrowth of human multiple myeloma cells in immunodeficient mice.

References

Shi Y, et al. Cancer Res. 2016 Oct 1;76(19):5822-5831.

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

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