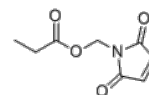


Product Name : NSC 19630
Cat. No. : PC-61921
CAS No. : 72835-26-8
Molecular Formula : C₈H₉NO₄
Molecular Weight : 183.2
Target : DNA Repair Protein
Solubility : 10 mM in DMSO



Biological Activity

NSC 19630 (MIRA-1) is a potent, selective Werner syndrome helicase (**WRN helicase**) with IC₅₀ of 20 μM.

NSC 19630 (MIRA-1) shows selectivity over human RecQ helicases (RECQ1 and BLM), Fanconi anemia group J (FANCI) helicases and three Escherichia coli helicases (RecQ, UvrD, and DnaB).

NSC 19630 (MIRA-1) dramatically impairs growth and proliferation, induces apoptosis in a WRN-dependent manner, and results in elevated γ-H2AX and PCNA foci in human cells.

NSC 19630 (MIRA-1) delays S-phase progression and induces DNA damage;

NSC 19630 (MIRA-1) is a mutant p53 reactivator that induces mutant p53-dependent cell death in different human tumor cells carrying tetracycline-regulated mutant p53.

References

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Saha MN, et al. *Br J Cancer*. 2014 Apr 29;110(9):2224-31.

Bykov VJ, et al. *J Biol Chem*. 2005 Aug 26;280(34):30384-91.

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

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