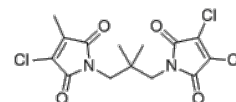


Product Name : NSC 617145
Cat. No. : PC-61920
CAS No. : 203115-63-3
Molecular Formula : C₁₃H₁₀Cl₄N₂O₄
Molecular Weight : 400.04
Target : DNA Repair Protein
Solubility : 10 mM in DMSO



Biological Activity

NSC 617145 is a novel small-molecule, selective inhibitor of **WRN helicase** with IC₅₀ of 230 nM.

NSC 617145 shows no significant inhibition on BLM, FANCL, ChlR1, RecQ, and UvrD.

NSC 617145 acts synergistically with very low concentrations of mitomycin C to inhibit proliferation in a WRN-dependent manner and induce DSB and chromosomal abnormalities in FA-D2(-/-) cells.

References

Aggarwal M, et al. *Cancer Res.* 2013 Sep 1;73(17):5497-507.

Aggarwal M, et al. *Cell Cycle.* 2013 Oct 15;12(20):3329-35.

Moles R, et al. *J Hematol Oncol.* 2016 Nov 9;9(1):121.

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

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