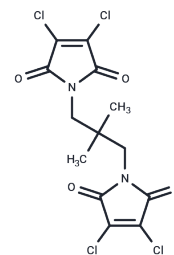


NSC 617145

## Chemical Properties

CAS No. : 203115-63-3  
 Formula: C<sub>13</sub>H<sub>10</sub>Cl<sub>4</sub>N<sub>2</sub>O<sub>4</sub>  
 Molecular Weight: 400.04  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
*Actual storage temperature shall be subject to the COA.*



## Biological Description

Description	NSC 617145 (NSC617145) is an inhibitor of WRN helicase that inhibits the ATPase, but not exonuclease, activity of WRN helicase in a concentration-dependent manner.
Targets(IC50)	DNA/RNA Synthesis
In vitro	NSC 617145 inhibits growth of HeLa cells via formation of DNA double strand breaks (DSBs) and induction of apoptosis in a WRN helicase-dependent manner. NSC 617145 also acts synergistically with mitomycin C to inhibit growth as well as induce DSBs and chromosomal abnormalities in Fanconia-anemia deficient (FA-D2-/-) cells.

## Solubility Information

Solubility	DMSO: 6 mg/mL (15 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4998 mL	12.4988 mL	24.9975 mL
5 mM	0.500 mL	2.4998 mL	4.9995 mL
10 mM	0.250 mL	1.2499 mL	2.4998 mL
50 mM	0.050 mL	0.250 mL	0.500 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Aggarwal, M., Banerjee, T., Sommers, J.A., et al. Werner syndrome helicase has a critical role in DNA damage responses in the absence of a functional fanconi anemia pathway. *Cancer Res.* 73(17), 5497-5507 (2013).

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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