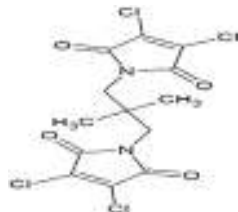


NSC-617145

ALTERNATE NAME: 1,1'-(2,2-Dimethyl-1,3-propanediyl)bis[3,4-dichloro-1H-pyrrole-2,5-dione

CATALOG #: B2664-5 5 mg
B2664-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₃H₁₀Cl₄N₂O₄

MOLECULAR WEIGHT: 400.04

CAS NUMBER: 203115-63-3

APPEARANCE: Off-white solid

PURITY: ≥98% by HPLC

SOLUBILITY: ~8 mg/ml DMSO

DESCRIPTION: NSC- 617145 is an inhibitor of Werner syndrome helicase (WRN) (IC₅₀ = 250 nM) that inhibits the ATPase, but not exonuclease, activity of WRN helicase in a concentration-dependent manner. It is selective for WRN over BLM, FANCI, ChIR1, RecQ, and UvrD helicases, only displaying 7% inhibition of RECQ1 at a concentration of 5 μM. It acts synergistically with Mitomycin C (Cat. No. 2713) to induce double-strand breaks and chromosomal abnormalities in vitro.

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Pritelivir mesylate (B2154)
BAY 87-2243 (B1878)
YK-4-279 (2846)
BAY 57-1293 (2556)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*