

RI-1

Catalog No: tcsc0726



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

415713-60-9

Formula:

$C_{14}H_{11}Cl_3N_2O_3$

Pathway:

Cell Cycle/DNA Damage

Target:

RAD51

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

361.61

Product Description

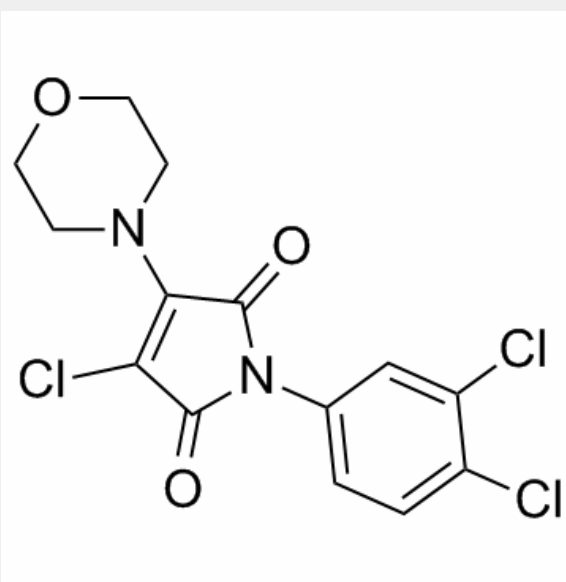
RI-1 is a RAD51 inhibitor with IC50 ranging from 5 to 30 μ M.

IC50 Value: 5-30 μ M

Target: RAD51

in vitro: RI-1 sensitizes cells to DNA damage by directly and specifically disrupting HsRAD51 and inhibiting the ability of RAD51 to form filaments on ssDNA. In addition, RI-1 alone generates single-agent toxicity in all three cancer cell lines (HeLa, MCF-7 and U2OS) with LD50 values in the 20–40 μ M range. RI-1 decreases the rejoining of γ -H2AX foci in G2 phase cells and results in a higher level of unrepaired DSBs 6 hours after irradiation.

in vivo:



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!