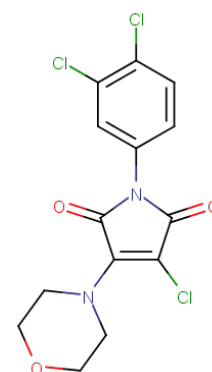


Catalog Number: CM06252

产品信息

Catalog Number:
CM06252CAS号:
415713-60-9分子式:
 $C_{14}H_{11}Cl_3N_2O_3$ 主要靶点:
DNA/RNA Synthesis主要通路:
DNA损伤和修复|细胞周期分子量:
361.61溶解度:
DMSO:36.2 mg/mL (100 mM)

靶点活性

RAD51: <30 μ M

体内活性

在HeLa细胞,MCF-7和U2OS三种癌细胞株中,RI-1具有单剂毒性 (LD50: 20-40 μ M)。通过直接和特异破坏HsRAD51和抑制RAD51,RI-1可抑制RAD51在ssDNA上形成丝的能力,从而使细胞对DNA损伤的敏感性增加。RI-1使G2期细胞的 γ -H2AX灶减少,并使辐射6小时后未修复DSB的水平增加。

细胞实验

Cytotoxicity is determined by loss of colony-forming ability. Experiments are performed in triplicate. Crystal violet stained colonies are imaged with a CCD camera and counted using NIH Image software. Error bars denote standard error.(Only for Reference)

描述

RI-1 (RAD51 inhibitor 1) is a RAD51 inhibitor (IC50: 5-30 μ M).

储存

Powder: -20°C for 3 years | In solvent: -80°C for 1 year