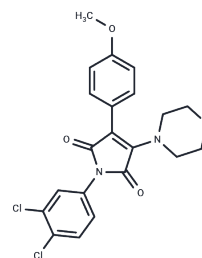


RI-2

Chemical Properties

CAS No. : 1417162-36-7
 Formula: C₂₁H₁₈Cl₂N₂O₄
 Molecular Weight: 433.28
 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	RI-2 is an optimized RAD51 inhibitor with an IC ₅₀ of 44.17 μM in the standard DNA binding assay; specifically inhibits HR(Homologous recombination) repair in human cells.
Targets(IC ₅₀)	DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 50 mg/mL (115.4 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	2.308 mL	11.5399 mL	23.0798 mL
5 mM	0.4616 mL	2.308 mL	4.616 mL
10 mM	0.2308 mL	1.154 mL	2.308 mL
50 mM	0.0462 mL	0.2308 mL	0.4616 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

Budke B, et al. J Med Chem. 2013 Jan 10;56(1):254-63.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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