

NecroIr1

Chemical Properties

CAS No. :

Formula: C40H29ClIrN5O-

Molecular Weight: 823.36

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	NecroIr1, an iridium(III) complex, acts as a necroptosis inducer in Cisplatin-resistant lung cancer cells (A549R). It selectively targets mitochondria, causing oxidative stress and reducing mitochondrial membrane potential (MMP). By activating receptor-interacting serine-threonine kinase 3 (RIPK3) and Mixed Lineage Kinase (MLKL), and modulating CDK4 expression, NecroIr1 facilitates cell death mechanisms [1].
Targets(IC50)	MLK,Others,CDK,RIP kinase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2145 mL	6.0727 mL	12.1454 mL
5 mM	0.2429 mL	1.2145 mL	2.4291 mL
10 mM	0.1215 mL	0.6073 mL	1.2145 mL
50 mM	0.0243 mL	0.1215 mL	0.2429 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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