

NecroIr2

Chemical Properties

CAS No. :

Formula: C46H30ClIrN6O2-

Molecular Weight: 926.44

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	NecroIr2, an iridium(III) complex, functions as a necroptosis inducer in cisplatin-resistant lung cancer cells (A549R). It preferentially accumulates in mitochondria, causing oxidative stress and a reduction in mitochondrial membrane potential (MMP). Moreover, NecroIr2 initiates the activation of receptor-interacting serine/threonine kinase 3 (RIPK3) and mixed lineage kinase domain-like pseudokinase (MLKL), while also regulating CDK4 expression [1].
Targets(IC50)	MLK,Others,CDK,RIP kinase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0794 mL	5.397 mL	10.794 mL
5 mM	0.2159 mL	1.0794 mL	2.1588 mL
10 mM	0.1079 mL	0.5397 mL	1.0794 mL
50 mM	0.0216 mL	0.1079 mL	0.2159 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

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481