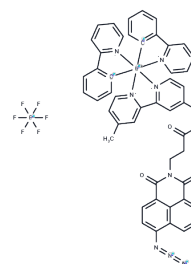


NA-Ir

## Chemical Properties

CAS No. : 3031762-97-4  
 Formula: C<sub>49</sub>H<sub>36</sub>F<sub>6</sub>IrN<sub>8</sub>O<sub>4</sub>P  
 Molecular Weight: 1138.04  
 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	NA-Ir is a ferroptosis (Ferroptosis) inducer that targets mitochondrial DNA (mtDNA) and activates the cGAS-STING pathway to stimulate ferritin autophagy (). It also induces the production of reactive oxygen species (ROS) through photodynamic therapy (PDT), depletes glutathione (GSH), and downregulates glutathione peroxidase 4 (GPX4), thereby triggering lipid peroxidation and ferroptosis. NA-Ir exhibits enhanced anticancer activity under light exposure and selectively inhibits cancer cells with high H <sub>2</sub> S content.
Targets(IC50)	Ferroptosis, Mitochondrial Metabolism, Autophagy, STING

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8787 mL	4.3935 mL	8.787 mL
5 mM	0.1757 mL	0.8787 mL	1.7574 mL
10 mM	0.0879 mL	0.4394 mL	0.8787 mL
50 mM	0.0176 mL	0.0879 mL	0.1757 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

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