

## ROS-ERS inducer 1

## Chemical Properties

CAS No. :

Formula: C<sub>24</sub>H<sub>23</sub>F<sub>2</sub>I<sub>2</sub>N<sub>3</sub>Pt

Molecular Weight: 840.35

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	ROS-ERS inducer 1, a type II immunogenic cell death (ICD) inducer, is a Pt(II)-N-heterocyclic carbene (Pt(II)-NHC) complex derived from 4,5-diarylimidazole. It induces endoplasmic reticulum stress (ERS) along with reactive oxygen species (ROS) generation, leading to the release of damage-associated molecular patterns (DAMPs) in HCC cells, showcasing significantly higher anticancer activities than Cisplatin [1].
Targets(IC50)	Others,Reactive Oxygen Species

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.190 mL	5.9499 mL	11.8998 mL
5 mM	0.238 mL	1.190 mL	2.380 mL
10 mM	0.119 mL	0.595 mL	1.190 mL
50 mM	0.0238 mL	0.119 mL	0.238 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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