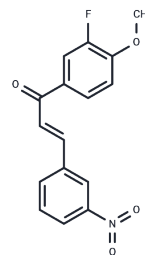


CHD-1

Chemical Properties

CAS No. :	3041166-70-2
Formula:	C ₁₆ H ₁₂ FNO ₄
Molecular Weight:	301.269
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	CHD-1 is a hypoxia-activated antitumor prodrug. It disrupts the mitochondrial morphology and membrane potential of hypoxic tumor cells, leading to excessive mitophagy and inducing apoptosis. In vitro, CHD-1 inhibits the growth of hypoxic tumor cells, while in vivo, it suppresses the growth of HeLa xenograft tumors.
Targets(IC50)	Apoptosis, Mitophagy

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3193 mL	16.5964 mL	33.1928 mL
5 mM	0.6639 mL	3.3193 mL	6.6386 mL
10 mM	0.3319 mL	1.6596 mL	3.3193 mL
50 mM	0.0664 mL	0.3319 mL	0.6639 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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