

## Ferroptosis inducer-4

## Chemical Properties

CAS No. :

Formula: C33H64NO7P

Molecular Weight: 617.84

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	Ferroptosisinducer-4 (Compound 5) is a phospholipid-based ferroptosis inducer featuring a terminal double bond at the sn-2 position. It exhibits significant cytotoxicity towards HT-1080 cells with an IC50 value of 18 $\mu$ M. The toxicity mechanism involves the generation of lipid peroxides and oxidative damage to the cell membrane induced by the terminal double bond. Ferroptosisinducer-4 can be utilized in studies pertaining to the regulation of ferroptosis.
Targets(IC50)	Ferroptosis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6185 mL	8.0927 mL	16.1854 mL
5 mM	0.3237 mL	1.6185 mL	3.2371 mL
10 mM	0.1619 mL	0.8093 mL	1.6185 mL
50 mM	0.0324 mL	0.1619 mL	0.3237 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.

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