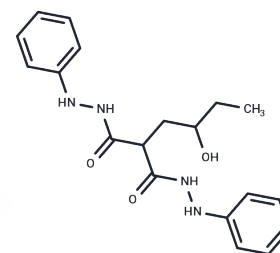


SLC7A11-IN-2

Chemical Properties

CAS No. : 14668-59-8
 Formula: C₁₉H₂₄N₄O₃
 Molecular Weight: 356.42
 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	SLC7A11-IN-2 (Compound 1) is an inhibitor of SLC7A11/xCT. It disrupts the oxidative balance in HeLa cells by decreasing intracellular glutathione levels and increasing oxidative stress, thereby inducing cell death with an IC ₅₀ of 10.23 μM. Molecular dynamics simulations have demonstrated that SLC7A11-IN-2 exhibits a stronger binding affinity to SLC7A11 compared to Erastin. This compound is useful for research in the field of cervical cancer.
Targets(IC ₅₀)	Others, Reactive Oxygen Species

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8057 mL	14.0284 mL	28.0568 mL
5 mM	0.5611 mL	2.8057 mL	5.6114 mL
10 mM	0.2806 mL	1.4028 mL	2.8057 mL
50 mM	0.0561 mL	0.2806 mL	0.5611 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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