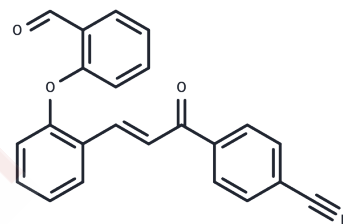


GPX4-IN-13

Chemical Properties

CAS No. : 2644044-43-7
 Formula: C₂₃H₁₅NO₃
 Molecular Weight: 353.37
 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	GPX4-IN-13 (compound 16), a GPX4 inhibitor, exhibits anticancer properties by diminishing the expression of GPX4, thereby reducing thyroid cell proliferation and inducing ferroptosis. Additionally, this compound effectively inhibits the growth of three distinct thyroid cancer cell lines: N-thy-ori-3-1 (IC ₅₀ =8.39 μM), MDA-T32 (IC ₅₀ =10.28 μM), and MDA-T41 (IC ₅₀ =8.18 μM).
Targets(IC ₅₀)	Ferroptosis, Glutathione Peroxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8299 mL	14.1495 mL	28.299 mL
5 mM	0.566 mL	2.8299 mL	5.6598 mL
10 mM	0.283 mL	1.4149 mL	2.8299 mL
50 mM	0.0566 mL	0.283 mL	0.566 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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