

BCP-T.A

Chemical Properties

CAS No. : 2786829-70-5

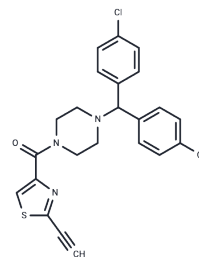
Formula: C₂₃H₁₉Cl₂N₃O₅

Molecular Weight: 456.39

Store at low temperature

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	BCP-T.A is an ferroptosis inducer that acts by binding to GPX4.
Targets(IC50)	Ferroptosis, Glutathione Peroxidase, GPX
In vitro	BCP-T.A induces ferroptosis in various cell lines with IC50 values ranging from 10 nM to 367 nM. BCP-T.A (0.5 μM, 3 hours) binds to GPX4 and increases lipid peroxides, as indicated by cellular thermal shift assay (CETSA)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1911 mL	10.9555 mL	21.9111 mL
5 mM	0.4382 mL	2.1911 mL	4.3822 mL
10 mM	0.2191 mL	1.0956 mL	2.1911 mL
50 mM	0.0438 mL	0.2191 mL	0.4382 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.

Reference

Endri Karaj, et al. Design, Synthesis, and Monoamine Oxidase B Selective Inhibitory Activity of N-Arylated Heliamine Analogues. J Med Chem. 2022 Aug 19.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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