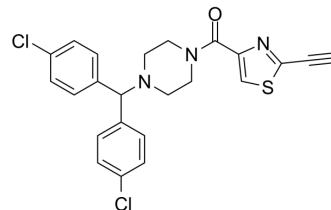


## BCP-T.A

Cat. No.:	HY-151212
CAS No.:	2786829-70-5
Molecular Formula:	C <sub>23</sub> H <sub>19</sub> Cl <sub>2</sub> N <sub>3</sub> OS
Molecular Weight:	456.39
Target:	Ferroptosis; Glutathione Peroxidase
Pathway:	Apoptosis; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	BCP-T.A, a tunable heterocyclic electrophile, is a potent ferroptosis inducer by binding to GPX4 <sup>[1]</sup> .
IC <sub>50</sub> & Target	GPX4 <sup>[1]</sup>
In Vitro	BCP-T.A induces ferroptosis in various cell lines (NCI-H522, T-1080, MDA-MB-468, MDA-MB-231, HeLa, HCT-116, U2OS, WI-38, and MEFS) with IC <sub>50</sub> values of 10 nM-367 nM <sup>[1]</sup> . BCP-T.A (0.5 μM, 3 h) binds to GPX4 and increases lipid peroxides, indicated by cellular thermal shift assay (CETSA) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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