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产品名称: **BCP-T.A**
CAS 号: **2786829-70-5**
产品货号: **S89940**

生物活性:

Description	BCP-T.A, a tunable heterocyclic electrophile, is a potent ferroptosis inducer by binding to GPX4[1]. BCP-T.A is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
IC50 & Target	GPX4
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 IC50 values of 10 nM-367 nM[1]. BCP-T.A (0.5 μ M, 3 h) binds to GPX4 and increases lipid peroxides, indicated by cellular thermal shift assay (CETSA)[1].
参考文献	[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.



源叶