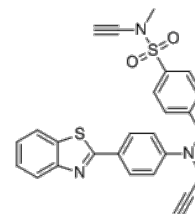


Product Name : GPX4 inhibitor A16
Cat. No. : PC-21713
CAS No. : 3032746-99-6
Molecular Formula : C₂₆H₂₁N₃O₂S₂
Molecular Weight : 471.59
Target : Ferroptosis
Solubility : 10 mM in DMSO



Biological Activity

GPX4 inhibitor A16 (GPX4-IN-9) is a potent, selective and covalent inhibitor of glutathione peroxidase 4 (**GPX4**), shows potent anti-proliferation activity the pancreatic cancer cell line AsPC-1 with IC₅₀ of 22 nM.

GPX4 inhibitor A16 exhibits superior selectivity and potency compared to established representative GPX4 inhibitors, ML210 and ML162.

GPX4 inhibitor A16 exhibits excellent target selectivity and sensitivity across various pancreatic cancer cell lines.

GPX4 inhibitor A16 exerts its cell toxicity through a GPX4-targeting ferroptosis pathway.

GPX4 inhibitor A16 possesses moderate antitumor activity and demonstrates favorable safety under in vivo conditions.

References

Zifeng Tang, et al. *J Med Chem.* 2024 Jan 24. doi: 10.1021/acs.jmedchem.3c01608.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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