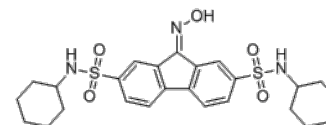


Product Name : FIN-56
Cat. No. : PC-60374
CAS No. : 1083162-61-1
Molecular Formula : C₂₅H₃₁N₃O₅S₂
Molecular Weight : 517.66
Target : Ferroptosis
Solubility : 10 mM in DMSO



Biological Activity

FIN-56 is a potent and specific **Ferroptosis** inducer that promotes the degradation of the lipid-repair enzyme **GPX4**. FIN-56 also binds to and activates squalene synthase, an enzyme involved in the cholesterol synthesis, to suppress non-steroidogenic metabolites-most likely coenzyme Q10. FIN-56 the mechanism involves two distinct pathways: one pathway is degradation of GPX4, which requires the enzymatic activity of ACC. FIN-56 has the other pathway is activation of SQS, which leads to coenzyme Q10 depletion.

References

Shimada K, et al. *Nat Chem Biol.* 2016 Jul;12(7):497-503.

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

E-mail: tech@probechem.com