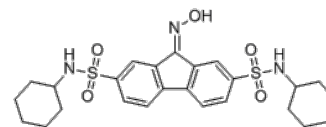


Product Name : FIN56
Cat. No. : PC-60374
CAS No. : 1083162-61-1
Molecular Formula : C₂₅H₃₁N₃O₅S₂
Molecular Weight : 517.66
Target : Ferroptosis
Solubility : 10 mM in DMSO



Biological Activity

FIN56 is a potent and specific **Ferroptosis** inducer that promotes the degradation of the lipid-repair enzyme **GPX4**.

FIN56 also binds to and activates squalene synthase, an enzyme involved in the cholesterol synthesis, to suppress non-steroidogenic metabolites-most likely coenzyme Q10.

FIN56 the mechanism involves two distinct pathways: one pathway is degradation of GPX4, which requires the enzymatic activity of ACC.

FIN56 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!

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