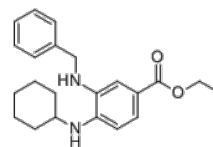


Product Name : SRS11-92
Cat. No. : PC-35991
CAS No. : 1467047-25-1
Molecular Formula : C₂₂H₂₈N₂O₂
Molecular Weight : 352.478
Target : Ferroptosis
Solubility : 10 mM in DMSO



Biological Activity

SRS11-92 (SRS 11-92) is a small molecule inhibitor of **Ferroptosis** and a derivative of Ferrostatin-1 (Fer-1), inhibits ferroptotic cell death induced by erastin in HT-1080 human fibrosarcoma cells with EC₅₀ of 6 nM.

SRS11-92 inhibits iron-induced cell death in isolated mouse kidney proximal tubules at 2 uM.

SRS11-92 fully protects rat oligodendrocytes from cystine deprivation-induced cell death in an in vitro model of periventricular leukomalacia when used at a concentration of 100 nM.

SRS11-92 also increases survival of medium spiny neurons in rat corticostriatal brain slices in an in vitro model of Huntington's disease in a concentration-dependent manner.

References

Cotticelli MG, et al. *J Pharmacol Exp Ther.* 2019 Jan 11. pii: jpet.118.252759.

Linkermann A, et al. *Proc Natl Acad Sci U S A.* 2014 Nov 25;111(47):16836-41.

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

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