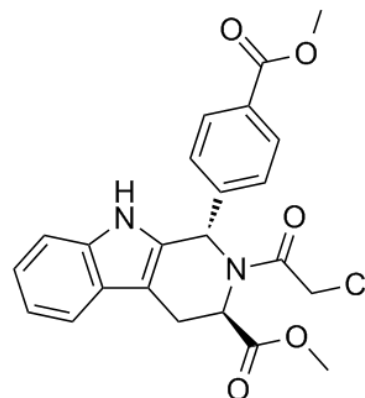


Product Name : RSL-3
Cat. No. : PC-42089
CAS No. : 1219810-16-8
Molecular Formula : C₂₃H₂₁ClN₂O₅
Molecular Weight : 440.8763
Target : Ferroptosis
Solubility : DMSO: ≥ 31 mg/mL



Biological Activity

GPX4 inhibitor RSL3 is an oncogenic RAS-selective lethal compound that activates iron-dependent, nonapoptotic cell death in oncogenic-RAS-harboring cancer cells, inhibits glutathione peroxidase (**GPX4**) and induces ferroptosis in BJLr cells (EC₅₀=10 nM).

RSL3 increases PTGS2 expression and significantly inhibits tumor growth in a xenograft mouse model (100 mg/kg).

References

Yang WS, et al. *Chem Biol.* 2008 Mar;15(3):234-45.

Yang WS, et al. *Cell.* 2014 Jan 16;156(1-2):317-331.

Dächert J, et al. *Oncotarget.* 2016 Sep 27;7(39):63779-63792.

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

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