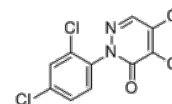


**Product Name** : LCS-1.34  
**Cat. No.** : PC-62033  
**CAS No.** : 24725-65-3  
**Molecular Formula** : C<sub>10</sub>H<sub>4</sub>Cl<sub>4</sub>N<sub>2</sub>O  
**Molecular Weight** : 309.955  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

LCS-1.34 is a small molecule that inhibits growth of human lung adenocarcinoma cells harboring mutations in **EGFR** or **KRAS** with IC<sub>50</sub> of 0.1-1.1 uM.

Superoxide dismutase 1 (**SOD1**) is the most likely target o, LCS-1.34 inhibits SOD1 in a dose-dependent manner with IC<sub>50</sub> of 1.07 uM.

LCS-1.34 inhibits MAPK and PI3-kinase pathways, DNA synthesis and induces apoptosis.

## References

Somwar R, et al. *J Biomol Screen*. 2009 Dec;14(10):1176-84.

Somwar R, et al. *Proc Natl Acad Sci U S A*. 2011 Sep 27;108(39):16375-80.

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

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