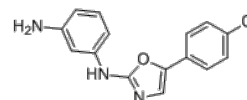


**Product Name** : SIRT7 inhibitor 97491  
**Cat. No.** : PC-38461  
**CAS No.** : 1807758-81-1  
**Molecular Formula** : C<sub>15</sub>H<sub>12</sub>ClN<sub>3</sub>O  
**Molecular Weight** : 285.73  
**Target** : Sirtuin  
**Solubility** : 10 mM in DMSO



### Biological Activity

SIRT7 inhibitor 97491 is a novel specific inhibitor of **SIRT7** with IC<sub>50</sub> of 0.325 uM, reduces deacetylase activity of SIRT7 in a dose-dependent manner.

SIRT7 inhibitor 97491 inhibits cell proliferation of uterine sarcoma MES-SA cells with IC<sub>50</sub> of < 5 uM.

SIRT7 inhibitor 97491 induces p53 acetylation at lysine 373/382 and increases p53 phosphorylation at S392 in treated MES-SA cells (24 h).

SIRT7 inhibitor 97491 promotes apoptosis through caspase pathway and suppresses MES-SA tumor growth in nude mice (20 mg/kg/day, i.p.).

### References

Ji-Hye Kim, et al. Identification of a novel SIRT7 inhibitor as anticancer drug candidate. *Biochem Biophys Res Commun.* 2019 Jan 8;508(2):451-457.

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

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