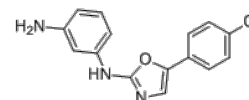


Product Name : SIRT7 inhibitor 97491
Cat. No. : PC-38461
CAS No. : 1807758-81-1
Molecular Formula : C₁₅H₁₂ClN₃O
Molecular Weight : 285.73
Target : Sirtuin
Solubility : 10 mM in DMSO



Biological Activity

SIRT7 inhibitor 97491 is a novel specific inhibitor of **SIRT7** with IC₅₀ of 0.325 μM, reduces deacetylase activity of SIRT7 in a dose-dependent manner.

SIRT7 inhibitor 97491 inhibits cell proliferation of uterine sarcoma MES-SA cells with IC₅₀ of < 5 μM.

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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