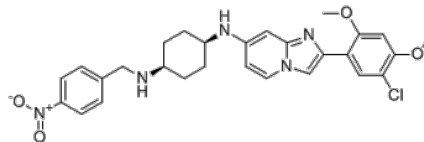


Product Name : OTS193320
Cat. No. : PC-35633
CAS No. : 2093401-33-1
Molecular Formula : C₂₈H₃₀ClN₅O₄
Molecular Weight : 536.029
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



Biological Activity

OTS193320 (OTS-193320) is a potent inhibitor of protein methyltransferase **SUV39H2** with IC₅₀ of 22.2 nM.

OTS193320 significantly reduces global H3K9 tri-methylation (H3K9me₃) in breast cancer cells in vitro and induces apoptotic cell death.

OTS193320 attenuates γ-H2AX levels in combination with doxorubicin compared with the DOX treatment alone, and causes a significant reduction in breast cancer cell viability when compared to the treatment with a single agent.

OTS193320 causes growth suppressive effect of SUV39H2-positive A549 lung cancer cells with IC₅₀ of 0.38 μM.

References

Vougiouklakis T, et al. *Oncotarget*. 2018 Aug 7;9(61):31820-31831.

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

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