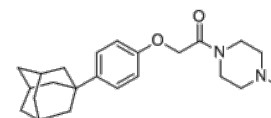


Product Name : IDF-11774
Cat. No. : PC-60370
CAS No. : 1429054-28-3
Molecular Formula : C₂₃H₃₂N₂O₂
Molecular Weight : 368.521
Target : HIF/HIF Prolyl-hydroxylase
Solubility : 10 mM in DMSO



Biological Activity

IDF-11774 (IDF 11774, IDF11774) is a potent, orally bioavailable **HIF-1** inhibitor that reduces the HRE-luciferase activity of HIF-1 α (IC₅₀=3.65 μ M) and blocks HIF-1 α accumulation under hypoxia in HCT116 human colon cancer cells. IDF-11774 suppresses the mRNA expression of HIF-1 target genes VEGF and EPO but not HIF-1 α . IDF-11774 inhibits the accumulation of HIF-1 α in vitro and in vivo in colorectal carcinoma HCT116 cells. IDF-11774 exhibits substantial anticancer efficacy in mouse models containing KRAS, PTEN, or VHL mutations.

References

- Ban HS, et al. *Bioconjug Chem.* 2016 Aug 17;27(8):1911-20.
Ban HS, et al. *Cell Death Dis.* 2017 Jun 1;8(6):e2843.

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

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