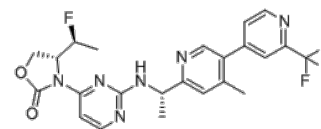


Product Name : IDH305
Cat. No. : PC-60164
CAS No. : 1628805-46-8
Molecular Formula : C₂₃H₂₂F₄N₆O₂
Molecular Weight : 490.463
Target : Isocitrate Dehydrogenase (IDH)
Solubility : 10 mM in DMSO



Biological Activity

IDH305 (IDH-305) is a potent, selective, brain penetrant **mutant IDH1** inhibitor with IC₅₀ of 18 and 28 nM for IDH1 R132H and R132C.

IDH305 exhibits >200 fold selectivity over WT IDH1 (IC₅₀=6.14 uM), and no activity against IDH2 mutants.

IDH305 inhibits EGF-independent proliferation of HCT116-IDH1R132H+/- cells with IC₅₀ of 20 nM.

IDH305 exhibits in vivo correlation of 2-HG reduction and efficacy in IDH1 mutant xenograft tumor model.

References

Cho YS, et al. *ACS Med Chem Lett.* 2017 Sep 18;8(10):1116-1121.

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

E-mail: tech@probechem.com