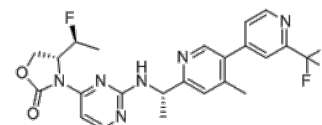


**Product Name** : IDH305  
**Cat. No.** : PC-60164  
**CAS No.** : 1628805-46-8  
**Molecular Formula** : C<sub>23</sub>H<sub>22</sub>F<sub>4</sub>N<sub>6</sub>O<sub>2</sub>  
**Molecular Weight** : 490.463  
**Target** : Isocitrate Dehydrogenase (IDH)  
**Solubility** :



## Biological Activity

IDH 305 (IDH305) is a potent, selective, brain penetrant **mutant IDH1** inhibitor with IC<sub>50</sub> of 18 and 28 nM for IDH1 R132H and R132C; exhibits >200 fold selectivity over WT IDH1 (IC<sub>50</sub>=6.14 uM), and no activity against IDH2 mutants; inhibits EGF-independent proliferation of HCT116-IDH1R132H +/- cells with IC<sub>50</sub> of 20 nM; exhibits in vivo correlation of 2-HG reduction and efficacy in IDH1 mutant xenograft tumor model.

Brain Cancer  
Phase 1 Clinical

## 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!**

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