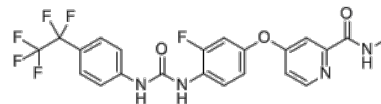


**Product Name** : WNTinib  
**Cat. No.** : PC-20893  
**CAS No.** : 2770091-44-4  
**Molecular Formula** : C<sub>22</sub>H<sub>16</sub>F<sub>6</sub>N<sub>4</sub>O<sub>3</sub>  
**Molecular Weight** : 498.39  
**Target** : Wnt  
**Solubility** : 10 mM in DMSO



CAS: 2770091-44-4

### Biological Activity

WNTinib (APS-8-100-2) is a multi-kinase inhibitor with specificity against **β-catenin** (CTNNB1) mutant hepatocellular carcinoma, harnesses the KIT/MAPK/EZH2 pathway, shows durable and selective transcriptional repression of **mutant β-catenin/Wnt** targets through nuclear translocation of the EZH2 transcriptional repressor.

WNTinib reduces EZH2 phosphorylation to drive the suppression of essential gene networks in CTNNB1-mutated HCC.

WNTinib depends on EZH2 relocalization to chromatin for its activity in CTNNB1-mutated HCC.

WNTinib utilizes unique polypharmacology to regulate the EZH2–WNT axis.

KIT, BRAF and p38 kinases are critical anti-targets for WNTinib.

WNTinib outperforms clinical compounds across in vivo models of HCC.

### References

Rialdi A, et al. *Nat Cancer*. 2023 Aug 3. doi: 10.1038/s43018-023-00609-9.

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

E-mail: tech@probechem.com