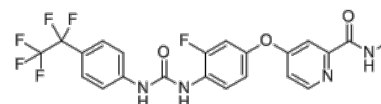


Product Name : WNTinib
Cat. No. : PC-20893
CAS No. : 2770091-44-4
Molecular Formula : C₂₂H₁₆F₆N₄O₃
Molecular Weight : 498.39
Target : Wnt
Solubility : 10 mM in DMSO



CAS: 2770091-44-4

Biological Activity

WNTinib 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!

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