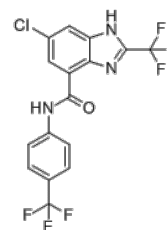


Product Name : DK419
Cat. No. : PC-35711
CAS No. : 2102672-22-8
Molecular Formula : C₁₆H₈ClF₆N₃O
Molecular Weight : 407.7
Target : Wnt
Solubility : 10 mM in DMSO



Biological Activity

DK419 (DK-419) a potent, orally active inhibitor of **Wnt/β-catenin** signaling with IC₅₀ of 0.19 μM in Wnt3A-stimulated TOPFlash assays.

DK419 reduces levels of Wnt/β-catenin target gene proteins (Axin2, β-catenin, c-Myc, Cyclin D1 and Survivin) in CRC tumor cell models, increases oxygen consumption rate and induces pAMPK in cell culture.

DK419 potently inhibit the proliferation of CRC tumor cell lines (SW948 cell IC₅₀=0.07 μM).

DK419 displays inhibition of tumor growth in mouse CRC240 PDX tumor model.

References

Wang J, et al. *Bioorg Med Chem.* 2018 Sep 17. pii: S0968-0896(18)31138-6.

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

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