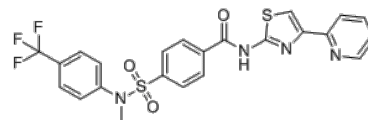


Product Name : SSTC3
Cat. No. : PC-60387
CAS No. : 1242422-09-8
Molecular Formula : C₂₃H₁₇F₃N₄O₃S₂
Molecular Weight : 518.529
Target : Casein Kinase
Solubility : 10 mM in DMSO



Biological Activity

SSTC3 is a novel small-molecule **CK1 α activator** with EC₅₀ of 30 nM (WNT-driven reporter gene assay), K_d of 32 nM. SSTC3 has better pharmacokinetic properties than pyrvinium (Cat# PC-60383), attenuates the growth of such Apc mutant organoids with EC₅₀ of 2.9 μ M.

SSTC3 decreases the viability of the WNT-dependent cell lines (EC₅₀ = 132, 63, and 123 nM for HT29, SW403, and HCT116 cells, respectively), inhibits the growth of CRC xenografts in mice.

SSTC3 also attenuates the growth of patient-derived metastatic CRC xenograft, with minimal gastrointestinal toxicity compared to other classes of WNT inhibitors.

References

Li B, et al. *Sci Signal*. 2017 Jun 27;10(485). pii: eaak9916.

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

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