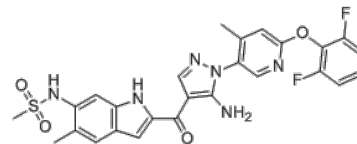


Product Name : CH6953755
Cat. No. : PC-73124
CAS No. : 2055918-71-1
Molecular Formula : C₂₆H₂₂F₂N₆O₄S
Molecular Weight : 552.557
Target : Src
Solubility : 10 mM in DMSO



Biological Activity

CH6953755 (CH 6953755) is a potent, selective, orally available **YES1 kinase** inhibitor with IC₅₀ of 1.8 nM.

CH6953755 exhibits good specificity for YES1 among the tested Src family kinases (SFKs), inhibits 8/456 WT and mutant kinases at 10 nM (>60% inhibition) including YES1 and four other SFKs.

CH6953755 inhibits cell growth inhibition of YES1-amplified cancer cell lines.

CH6953755 shows selective antitumor activity against YES1-amplified xenograft tumors.

CH6953755 inhibits YAP1 nuclear localization, neither the YAP1 Y357E nor the Y357F mutation affected the suppression of YAP1 transcriptional activity by CH6953755.

YES1-YAP1 signal inhibition by CH6953755 leads to antitumor activity in YES1-amplified cancer cells.

References

Hamanaka N, et al. *Cancer Res.* 2019 Nov 15;79(22):5734-5745.

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

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