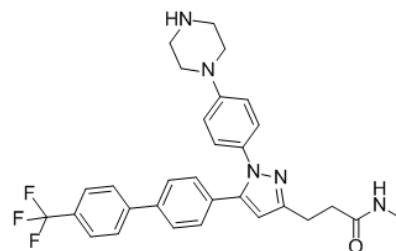


Product Name : OSU-T315
Cat. No. : PC-45519
CAS No. : 1333146-24-9
Molecular Formula : C₃₀H₃₀F₃N₅O
Molecular Weight : 533.5873
Target : Integrin
Solubility : 10 mM in DMSO
 2. Liu TM, et al. **Blood**. 2015 Jan 8;125(2):284-95.



Biological Activity

OSU-T315 is a potent, orally active ILK (**integrin-linked kinase**) inhibitor with IC₅₀ of 0.6 uM. OSU-T315 exhibits high in vitro potency against a panel of prostate and breast cancer cell lines (IC₅₀=1-2.5 uM) with no effect on normal epithelial cells. OSU-T315 facilitates the dephosphorylation of Akt at Ser-473 and other ILK targets, including GSK-3β and myosin light chain. OSU-T315 suppresses the expression of the transcription/translation factor YB-1 and HER2, EGFR in PC-3 cells, induces autophagy and apoptosis. OSU-T315 demonstrates in vivo efficacy in suppressing PC-3 xenograft tumor growth; orally active.

References

Lee SL, et al. **J Med Chem**. 2011 Sep 22;54(18):6364-74.

