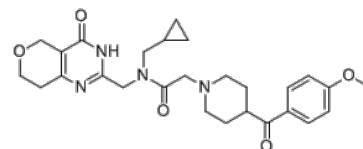


Product Name : NVP-TNKS656
Cat. No. : PC-49490
CAS No. : 1419949-20-4
Molecular Formula : C₂₇H₃₄N₄O₅
Molecular Weight : 494.59
Target : PARP
Solubility : 10 mM in DMSO



Biological Activity

NVP-TNKS656 (TNKS656) is a highly potent, selective, and orally active **tankyrase** inhibitor with IC₅₀ of 6 nM (**TNKS2**), 5,000-fold selectivity versus PARP1 and PARP2.

NVP-TNKS656 shows high potency in HEK293 SuperTopFlash reporter gene assay with IC₅₀ of 3.5 nM.

NVP-TNKS656 sensitizes KRAS-mutant cancer cells to MEK inhibitors via FGFR2 feedback signaling, dual inhibition of TNKS and MEK leads to more robust apoptosis and antitumor activity both in vitro and in vivo.

NVP-TNKS656 reduces nuclear β -catenin, reverts such resistance, and represses tumor growth in PI3K or AKT inhibitor-resistant cells.

References

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Arqués O, et al. *Clin Cancer Res*. 2016 Feb 1;22(3):644-56.

Schoumacher M, et al. *Cancer Res*. 2014 Jun 15;74(12):3294-305.

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

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