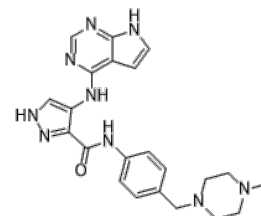


Product Name : FN-1501
Cat. No. : PC-25800
CAS No. : 1429515-59-2
Molecular Formula : C₂₂H₂₅N₉O
Molecular Weight : 431.50
Target : FLT3
Solubility : 10 mM in DMSO



Biological Activity

FN-1501 (FN1501) is a potent FLT3 and CDK inhibitor with IC₅₀ of 0.27 nM, 2.47 nM, 0.85 nM and 1.96 nM for FLT3, CDK2/cyclin A, CDK4/cyclin D1, and CDK6/cyclin D1 respectively, induces collapsin response mediator protein 2 (CRMP2) dephosphorylation in breast cancer cells.

FN-1501 exhibits potent inhibitory activities on all 60 cancer cell lines with GI₅₀ of <0.5 μM.

FN-1501 shows significant antiproliferative activities against MV4-11 cells with IC₅₀ of 8 nM.

FN-1501 (0-1 μM) significantly decreased the phosphorylation of FLT3 and that of its downstream mediators STAT5, ERK, and AKT in MV4-11 cells.

FN-1501 at 15 (mg/kg)/d induced tumor regression MV4-11-xenograft model.

References

Wang Y, et al. J Med Chem. 2018 Feb 22;61(4):1499-1518.

Lin B, et al. Oncogene. 2020 Sep;39(37):6024-6040.

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

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