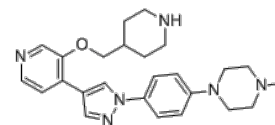


Product Name : NVS-MELK8a
Cat. No. : PC-20606
CAS No. : 1922153-17-0
Molecular Formula : C₂₅H₃₂N₆O
Molecular Weight : 432.57
Target : MELK
Solubility : 10 mM in DMSO



Biological Activity

NVS-MELK8a (MELK8a) is a novel potent, and selective MELK inhibitor with IC₅₀ of 2 nM.

NVS-MELK8a exhibits high selectivity with only 7 off-target kinases inhibited >85% against 456 kinases at 1 uM, Flt3 (IC₅₀=0.18 uM), Haspin (IC₅₀=0.19 uM), PDGFR α (IC₅₀=0.42 uM).

NVS-MELK8a exhibits growth inhibition of MDA-MD-468 cells with IC₅₀ of 0.11 uM, and increases cells harboring 4N DNA content.

References

Touré BB, et al. J Med Chem. 2016 May 26;59(10):4711-23.

Huang HT, et al. Elife. 2017 Sep 19;6. pii: e26693.

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

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