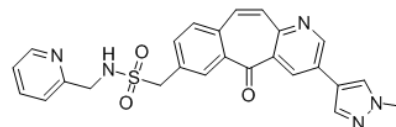


Product Name : MK-8033
Cat. No. : PC-43477
CAS No. : 1001917-37-8
Molecular Formula : C₂₅H₂₁N₅O₃S
Molecular Weight : 471.53
Target : c-Met (HGFR)
Solubility : DMSO: ≥ 46 mg/mL



Biological Activity

MK-8033 is a potent, specific, dual **c-Met/Ron** kinases inhibitor with IC₅₀ of 1/7 nM, also potently inhibits oncogenic c-Met activation loop mutants Y1230C, Y1230H and Y1235D with IC₅₀ of 0.6-1.2 nM.

MK-8033 is >100-fold selective relative to Ron and c-Met inhibition against a panel of 221 kinases.

MK-8033 potently and selectively inhibits growth in c-Met amplified cell lines (GTL-16 proliferation IC₅₀ =582 nM), causes full inhibition of tumor growth in c-Met amplified (GTL-16) subcutaneous tumor xenograft model.

MK-8033 synergizes with carboplatin plus paclitaxel to inhibit ovarian cancer cell growth.

References

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Marchion DC, et al. *Oncol Rep.* 2013 May;29(5):2011-8.

Keedy VL, et al. *Invest New Drugs.* 2018 Jan 29. doi: 10.1007/s10637-018-0567-z.

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

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