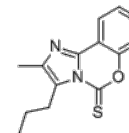


Product Name : MV1035
Cat. No. : PC-38254
CAS No. : 1199944-04-1
Molecular Formula : C₁₄H₁₄N₂OS
Molecular Weight : 258.339
Target : Histone Demethylase
Solubility : 10 mM in DMSO



Biological Activity

MV1035 (MV-1035) is a novel small molecule that reduce U87 GBM cells migration and invasiveness, targeting m6A demethylase **ALKBH5**, also inhibits ALKBH2.

MV1035 directly inhibits active recombinant ALKBH5 protein and, consequently, negatively regulates CD73 protein expression without affecting CD73 mRNA transcription.

In PD-GSCs, MV1035 has a synergistic effect with TMZ in reducing cell viability and their ability to form spheres.

MV1035 is able both to reduce the expression of MGMT and to inhibit ALKBH2 activity.

References

Malacrida A, et al. *Bioorg Med Chem.* 2020 Feb 15;28(4):115300.

Malacrida A, et al. *Biology (Basel).* 2022 Jan 4;11(1):70.

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

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