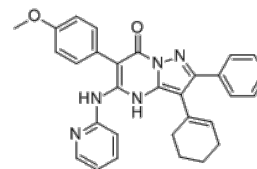


Product Name : AG-270
Cat. No. : PC-72638
CAS No. : 2201056-66-6
Molecular Formula : C₃₀H₂₇N₅O₂
Molecular Weight : 489.579
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

AG-270 (AG270) is a highly potent, selective, orally bioavailable **methionine adenosyltransferase 2A (MAT2A)** inhibitor with IC₅₀ of 14 nM.

AG-270 demonstrated potent reduction in levels of intracellular SAM, as well as MTAP-null-selective antiproliferative activity in the HCT116 MTAP isogenic cell model in vitro (IC₅₀=20 nM).

AG-270 (200 mg/kg q.d.) dose-dependently reduced tumor SAM levels and tumor growth pancreatic KP4 MTAP-null xenograft mouse model.

AG-270 showed excellent microsomal, hepatocyte, and in vivo metabolic stability across species (human, mouse, rat, dog, and monkey).

References

Kalev P, et al. *Cancer Cell*. 2021 Feb 8;39(2):209-224.e11.

Konteatis Z, et al. *J Med Chem*. 2021 Apr 22;64(8):4430-4449.

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

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