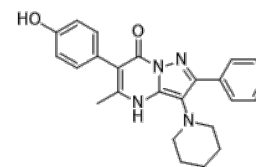


Product Name : AGI-24512
Cat. No. : PC-25274
CAS No. : 2201066-53-5
Molecular Formula : C₂₄H₂₄N₄O₂
Molecular Weight : 400.48
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 2201066-53-5

Biological Activity

AGI-24512 is a highly potent, cell-active methionine adenosyltransferase 2 α (MAT2A) inhibitor with enzymatic IC₅₀ of 8 nM. AGI-24512 reduces cellular S-adenosylmethionine levels, S-adenosylmethionine de novo biosynthesis, and symmetric dimethyl arginine levels.

AGI-24512 selectively reduces growth of MTAP^{-/-} cancer cells, with limited effects on MTAP WT lines.

AGI-24512 induces MTAP^{-/-} genotype-selective cell-cycle delays and DNA damage.

AGI-24512 affected multiple alternative splicing events in MTAP^{-/-} but not in WT cells, affects PRMT5 downstream splicing biology.

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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