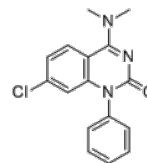


**Product Name** : MAT2A inhibitor 28  
**Cat. No.** : PC-72337  
**CAS No.** : 2439271-82-4  
**Molecular Formula** : C<sub>16</sub>H<sub>14</sub>ClN<sub>3</sub>O  
**Molecular Weight** : 299.758  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

MAT2A inhibitor 28 (AZ-28) is a potent and selective inhibitor of methionine adenosyltransferase **MAT2A** with IC<sub>50</sub> of 22 nM.

MAT2A inhibitor 28 showed inhibition of PRMT5-mediated symmetric dimethylation of arginine (SDMA) with IC<sub>50</sub> of 25 nM, inhibited proliferation of HCT116 MTAP knockout cells with an IC<sub>50</sub> of 250 nM.

MAT2A inhibitor 28 is a promising in vivo tool that exhibited reduction in tumor SAM levels and antitumor response in an MTAP knockout HCT116 xenograft model.

### References

Claudia De Fusco, et al. *J Med Chem.* 2021 May 27;64(10):6814-6826.

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

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