

AG-270

Chemical Properties

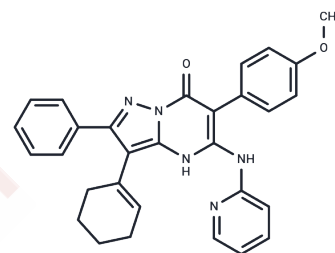
CAS No. : 2201056-66-6

Formula: C₃₀H₂₇N₅O₂

Molecular Weight: 489.57

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	AG-270 is an allosteric and orally active inhibitor of MAT2A.
Targets(IC50)	Methionine Adenosyltransferase (MAT)
In vitro	AG-270 exhibits an IC ₅₀ of 20 nM in HCT116 MTAP-null cell SAM at 72 h[1].AG-270 demonstrates potent reduction in levels of intracellular SAM, as well as MTAP-null-selective antiproliferative activity in the HCT116 MTAP isogenic cell model in vitro[1].

Solubility Information

Solubility	DMSO: 4.9 mg/mL (10.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0426 mL	10.213 mL	20.4261 mL
5 mM	0.4085 mL	2.0426 mL	4.0852 mL
10 mM	0.2043 mL	1.0213 mL	2.0426 mL
50 mM	0.0409 mL	0.2043 mL	0.4085 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zenon Konteatis, et al. Discovery of AG-270, a First-in-Class Oral MAT2A Inhibitor for the Treatment of Tumors with Homozygous MTAP Deletion. J Med Chem. 2021 Apr 8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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