

MAT2A inhibitor 3

Chemical Properties

CAS No. :	2439271-82-4
Formula:	C ₁₆ H ₁₄ ClN ₃ O
Molecular Weight:	299.76
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	MAT2A inhibitor 3 is an inhibitor of methionine adenosyltransferase 2A (MAT2A) with an IC ₅₀ value below 200 nM. MAT2A inhibitor 3 is utilized in cancer-related investigations and is relevant for studies involving methionine metabolism, S-adenosylmethionine biosynthesis, and metabolic regulation in tumor-associated cellular systems.
Targets(IC ₅₀)	Others
In vitro	MAT2A inhibitor 3 effectively inhibits methionine adenosyltransferase 2A, demonstrating a strong inhibitory capacity with an IC ₅₀ value of less than 200 nM[1].

Solubility Information

Solubility	DMSO: 48 mg/mL (160.13 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	3.336 mL	16.680 mL	33.360 mL
5 mM	0.6672 mL	3.336 mL	6.672 mL
10 mM	0.3336 mL	1.668 mL	3.336 mL
50 mM	0.0667 mL	0.3336 mL	0.6672 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

Alam M, et, al. 2-oxoquinazoline derivatives as methionine adenosyltransferase 2a inhibitors. WO2020123395A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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