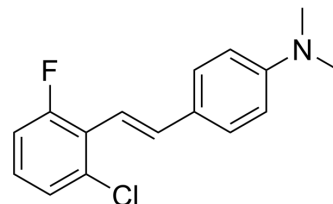


MAT2A inhibitor 4

Cat. No.:	HY-139536		
CAS No.:	1391934-91-0		
Molecular Formula:	C ₁₆ H ₁₅ ClFN		
Molecular Weight:	275.75		
Target:	Methionine Adenosyltransferase (MAT)		
Pathway:	Epigenetics; Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (906.62 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.6265 mL	18.1324 mL	36.2647 mL
				5 mM	0.7253 mL	3.6265 mL	7.2529 mL
10 mM				0.3626 mL	1.8132 mL	3.6265 mL	
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (7.54 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.54 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.54 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	MAT2A inhibitor 4 is an inhibitor of the catalytic subunit of methionine S-adenosyltransferase-2 (MAT2A). MAT2A inhibitor 4 can be used for the research of cancer ^[1] .
IC ₅₀ & Target	MAT2A ^[1]
In Vitro	MAT2A inhibitor 4 is an inhibitor of the catalytic subunit of methionine S-adenosyltransferase-2 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sviripa VM, et al. 2',6'-Dihalostyrylanilines, pyridines, and pyrimidines for the inhibition of the catalytic subunit of methionine S-adenosyltransferase-2. J Med Chem. 2014;57(14):6083-6091.

Caution: Product has not been fully validated for medical applications. For research use only.

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