MAT2A-IN-9

Cat. No.: HY-148499

CAS No.: 2439277-80-0

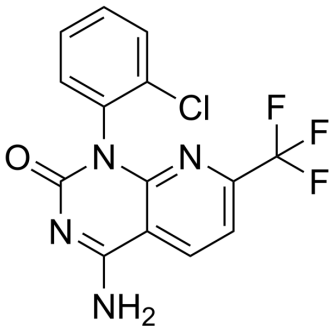
Molecular Formula: $C_{14}H_8ClF_3N_4O$

Molecular Weight: 340.69

Target: Methionine Adenosyltransferase (MAT)

Pathway: Epigenetics; Metabolic Enzyme/Protease

Storage: 4°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (293.52 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.9352 mL	14.6761 mL	29.3522 mL
	5 mM	0.5870 mL	2.9352 mL	5.8704 mL
	10 mM	0.2935 mL	1.4676 mL	2.9352 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1 mg/mL (2.94 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

MAT2A-IN-9 (compound 167), a 2-oxoquinazoline derivative, is a potent MAT2A (methionine adenosyltransferase 2A) inhibitor[1].

IC_{50} & Target

MAT2A[1]

REFERENCES

[1]. Muzaffar Alam, et al. 2-oxoquinazoline derivatives as methionine adenosyltransferase 2a inhibitors. WO2020123395A1.

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

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