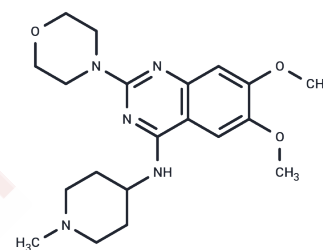


MS0124

Chemical Properties

CAS No. : 1197196-63-6
 Formula: C₂₀H₂₉N₅O₃
 Molecular Weight: 387.48
 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	MS0124 is a potent and selective G9A-like protein (GLP) inhibitor with IC ₅₀ values of 13±4 nM and 440±63 nM, respectively.
Targets(IC ₅₀)	Histone Methyltransferase

Solubility Information

Solubility	DMSO: 3.88 mg/mL (10.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.58 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5808 mL	12.9039 mL	25.8078 mL
5 mM	0.5162 mL	2.5808 mL	5.1616 mL
10 mM	0.2581 mL	1.2904 mL	2.5808 mL
50 mM	0.0516 mL	0.2581 mL	0.5162 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

Xiong Y, et al. Discovery of Potent and Selective Inhibitors for G9a-Like Protein (GLP) Lysine Methyltransferase. J Med Chem. 2017;60(5):1876-1891.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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