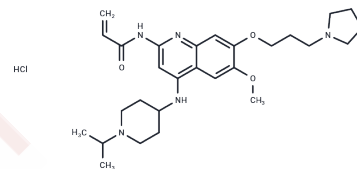


MS8511 hydrochloride

Chemical Properties

CAS No. :	3031788-28-7
Formula:	C ₂₈ H ₄₂ ClN ₅ O ₃
Molecular Weight:	532.12
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	MS8511 hydrochloride is a selective G9a/GLP inhibitor with IC ₅₀ values of 100 nM and 140 nM respectively, exhibiting covalent and irreversible characteristics. MS8511 reduces intracellular H3K9me ₂ levels and enhances anti-proliferative activity, making it suitable for investigating multiple cancers.
Targets(IC ₅₀)	Histone Methyltransferase

Solubility Information

Solubility	Methanol: 24 mg/mL (45.1 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	1.8793 mL	9.3964 mL	18.7928 mL
5 mM	0.3759 mL	1.8793 mL	3.7586 mL
10 mM	0.1879 mL	0.9396 mL	1.8793 mL
50 mM	0.0376 mL	0.1879 mL	0.3759 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

Kwang-Su Park, et al. Discovery of the First-in-Class G9a/GLP Covalent Inhibitors. J Med Chem. 2022 Jun 28.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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