

OTS186935 FA

Chemical Properties

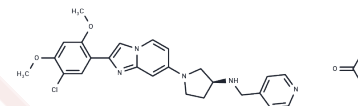
CAS No. :

Formula: C₂₆H₂₈ClN₅O₄

Molecular Weight: 509.98

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	OTS186935 FA is a protein methyltransferase SUV39H2 inhibitor. OTS186935 FA inhibits tumor growth in MDA-MB-231 breast cancer cells and A549 lung cancer cells.
Targets(IC50)	Histone Methyltransferase
In vitro	OTS186935 FA that showed enzymatic IC50 of 6.49 nM and A549 cell growth inhibitory effect with IC50 of 0.67 μM[1].
In vivo	Immunocompromised mice carrying MDA-MB-231 were intravenously administered with OTS186935 or vehicle control at a dose of 10 mg/kg once daily for 14 days. On the 14th day, a tumor growth inhibition (TGI) of 42.6% was observed[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9609 mL	9.8043 mL	19.6086 mL
5 mM	0.3922 mL	1.9609 mL	3.9217 mL
10 mM	0.1961 mL	0.9804 mL	1.9609 mL
50 mM	0.0392 mL	0.1961 mL	0.3922 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

Vougiouklakis T, et al. Development of novel SUV39H2 inhibitors that exhibit growth suppressive effects in mouse xenograft models and regulate the phosphorylation of H2AX. *Oncotarget*. 2018 Aug 7;9(61):31820-31831.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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