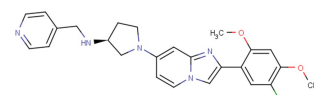


OTS186935

Chemical Properties

CAS No.: 2093400-18-9
Formula: C₂₅H₂₆ClN₅O₂
Molecular Weight: 463.96
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	OTS186935 is a inhibitor of protein methyltransferase SUV39H2(IC ₅₀ of 6.49 nM).
Targets(IC ₅₀)	SUV39H2: 6.49 nM
In vitro	OTS186935, revealed significant inhibition of tumor growth in mouse xenograft models using MDA-MB-231 breast cancer cells and A549 lung cancer cells without any detectable toxicity. SUV39H2 inhibitors sensitize cancer cells to DOX by reduction of γ-H2AX levels in cancer cells
In vivo	OTS186935 exhibits growth suppressive effects in human cancer cell line derived xenograft models[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.155 mL	10.777 mL	21.554 mL
5 mM	0.431 mL	2.155 mL	4.311 mL
10 mM	0.216 mL	1.078 mL	2.155 mL
50 mM	0.043 mL	0.216 mL	0.431 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481