

UNC10142

Chemical Properties

CAS No. : 3118919-69-7

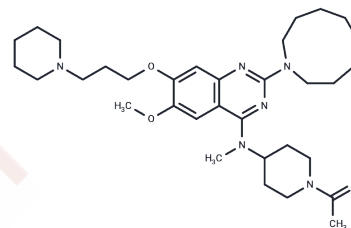
Formula: C33H52N6O3

Molecular Weight: 580.80

Keep away from moisture

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	UNC10142 is a small-molecule antagonist of CHD1 (IC ₅₀ = 1.7 μM). UNC10142 induces dose-dependent reduction in the viability of PTEN-deficient prostate cancer cells.
Targets(IC50)	Epigenetic Reader Domain

Solubility Information

Solubility	DMSO: 80.00 mg/mL (137.74 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	1.7218 mL	8.6088 mL	17.2176 mL
5 mM	0.3444 mL	1.7218 mL	3.4435 mL
10 mM	0.1722 mL	0.8609 mL	1.7218 mL
50 mM	0.0344 mL	0.1722 mL	0.3444 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

Johnson RL, et al. Discovery of CHD1 Antagonists for PTEN-Deficient Prostate Cancer. J Med Chem. 2024 Nov 28;67 (22):20056-20075.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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