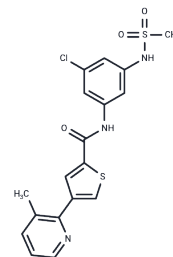


DHX9-IN-2

Chemical Properties

CAS No. :	2973395-71-8
Formula:	C ₁₈ H ₁₆ ClN ₃ O ₃ S ₂
Molecular Weight:	421.92
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	DHX9-IN-2 is an inhibitor targeting ATP-dependent RNA de-helicase A (DHX9) with anticancer and antitumor activity for cancer research.
Targets(IC50)	DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 140 mg/mL (331.82 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: 10 mg/mL (23.7 mM), Solution. 10% DMSO+90% Saline: < 10 mg/mL (23.7 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. <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	2.3701 mL	11.8506 mL	23.7012 mL
5 mM	0.474 mL	2.3701 mL	4.7402 mL
10 mM	0.237 mL	1.1851 mL	2.3701 mL
50 mM	0.0474 mL	0.237 mL	0.474 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

DANIELS Matthew H., et al. Preparation of imidazopyridines, thienopyrimidines, pyrrolopyrimidines and related heterocycles as inhibitors of RNA helicase DHX9 useful in treatment of cancers. World Intellectual Property Organization, WO2023154519 A1 2023-08-17.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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