

AMG-193

Chemical Properties

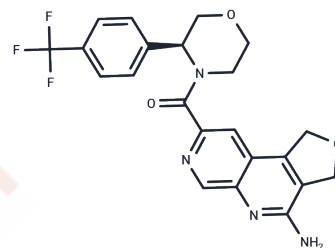
CAS No. : 2790567-82-5

Formula: C₂₂H₁₉F₃N₄O₃

Molecular Weight: 444.41

Storage: Store at low temperature, Keep away from moisture
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	AMG-193 is an inhibitor of the MTA-PRMT5 complex and is used in the study of cancer, respiratory diseases and digestive disorders.
Targets(IC50)	Histone Methyltransferase
In vitro	AMG-193 is a PRMT5 inhibitor. AMG-193 significantly inhibited the proliferation of HCT116 cells with an IC50 value of 0.13 μ M. [1]

Solubility Information

Solubility	DMSO: 100 mg/mL (225.02 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 10 mg/mL (22.5 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween-80+45% Saline: 5 mg/mL (11.25 mM), Sonication is recommended. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (22.5 mM), Solution. <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	2.2502 mL	11.2509 mL	22.5017 mL
5 mM	0.450 mL	2.2502 mL	4.5003 mL
10 mM	0.225 mL	1.1251 mL	2.2502 mL
50 mM	0.045 mL	0.225 mL	0.450 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

Shon Booker, et al. Prmts inhibitors. WO2022132914A2022-06-23.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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