

BMS-983970

Chemical Properties

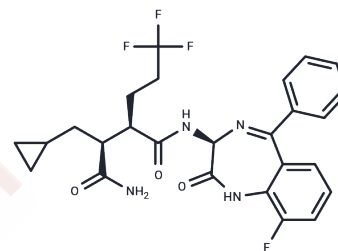
CAS No. : 1584713-87-0

Formula: C₂₆H₂₆F₄N₄O₃

Molecular Weight: 518.5

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	BMS-983970 is an oral inhibitor of pan-Notch, and for the treatment of multiplecancers.
Targets(IC50)	Gamma-secretase
In vivo	BMS-983970 exhibits anti-tumor effects in models of T-cell acute lymphoblastic leukemia (T-ALL) and solid tumor xenografts[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (96.43 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (4.82 mM),Sonication is recommended. <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	1.9286 mL	9.6432 mL	19.2864 mL
5 mM	0.3857 mL	1.9286 mL	3.8573 mL
10 mM	0.1929 mL	0.9643 mL	1.9286 mL
50 mM	0.0386 mL	0.1929 mL	0.3857 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

Ashvinikumar V. Gavai, et al. Abstract 1643: BMS-983970, an oral pan-Notch inhibitor for the treatment of cancer. Cancer Res October 1, 2014 74; 1643.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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