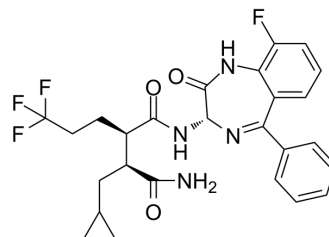


BMS-983970

Cat. No.:	HY-12419		
CAS No.:	1584713-87-0		
Molecular Formula:	C ₂₆ H ₂₆ F ₄ N ₄ O ₃		
Molecular Weight:	518.5		
Target:	Notch		
Pathway:	Neuronal Signaling; Stem Cell/Wnt		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 50 mg/mL (96.43 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: 2.5 mg/mL (4.82 mM); Suspended solution; Need ultrasonic and warming
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: 2.5 mg/mL (4.82 mM); Suspended solution; Need ultrasonic and warming
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (4.82 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

BMS-983970 is an oral pan-Notch inhibitor for the treatment of multiple cancers^[1].

IC₅₀ & Target

Notch^[1]

In Vivo

BMS-983970 demonstrates anti-tumor activity in T-cell acute lymphoblastic leukemia (T-ALL) and solid tumor xenograft models^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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