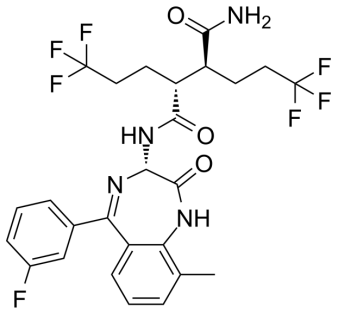
BMS-986115

Cat. No.:	HY-12860
CAS No.:	1584647-27-7
Molecular Formula:	$C_{26}H_{25}F_7N_4O_3$
Molecular Weight:	574.49
Target:	Notch
Pathway:	Neuronal Signaling; Stem Cell/Wnt
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 13.12 mg/mL (22.84 mM; ultrasonic and warming and heat to 70°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.7407 mL	8.7034 mL	17.4067 mL
	5 mM	0.3481 mL	1.7407 mL	3.4813 mL
	10 mM	0.1741 mL	0.8703 mL	1.7407 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: 1.31 mg/mL (2.28 mM); Clear solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: 1.31 mg/mL (2.28 mM); Suspended solution; Need ultrasonic
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: 1.31 mg/mL (2.28 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

BMS-986115 (Notch inhibitor 1) is a potent Notch inhibitor, with IC_{50}s of 7.8 and 8.5 nM for Notch 1 and Notch 3, respectively. Used in the research of cancer[1].

IC_{50} & Target

IC50: 7.8 nM (Notch 1), 8.5 nM (Notch 3)[1]

In Vitro

BMS-986115 (Example 1) potently inhibits Notch signaling pathway[1].

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

CUSTOMER VALIDATION

- Research Square Preprint. 2020 Jun.

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REFERENCES

[1]. Ashvinikumar V. Gavai, et al. Bis(fluoroalkyl)-1,4-benzodiazepinone compounds as notch inhibitors. WO2014047372A1.

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