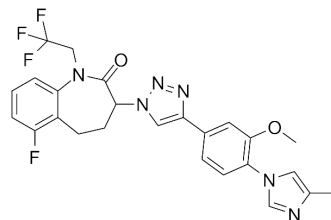


gamma-secretase modulator 2

Cat. No.:	HY-50754		
CAS No.:	1093978-89-2		
Molecular Formula:	C ₂₅ H ₂₂ F ₄ N ₆ O ₂		
Molecular Weight:	514.47		
Target:	γ-secretase		
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 : 100 mg/mL (194.37 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.9437 mL	9.7187 mL	19.4375 mL
	5 mM	0.3887 mL	1.9437 mL	3.8875 mL
	10 mM	0.1944 mL	0.9719 mL	1.9437 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 (4.86 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (4.86 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

gamma-secretase modulator 2 is a potent and selective γ-secretase modulator for treatment of Alzheimer's disease. C50 value: Target: γ-secretase. γ-secretase modulator is modulation of the action of γ-secretase so as to selectively attenuate production of Aβ(1-42) and hence find use in treatment or prevention of diseases associated with deposition of Aβ in the brain. γ-secretase modulator is useful in particular Alzheimer's disease.

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

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