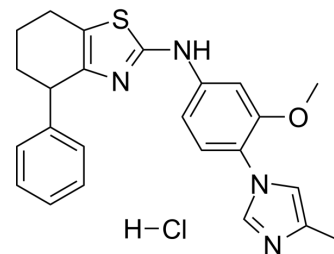


gamma-secretase modulator 1 hydrochloride

Cat. No.:	HY-10043A
CAS No.:	2741571-83-3
Molecular Formula:	C ₂₄ H ₂₅ ClN ₄ OS
Molecular Weight:	453
Target:	γ-secretase
Pathway:	Neuronal Signaling; Stem Cell/Wnt
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (220.75 mM; Need ultrasonic)					
	H ₂ O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.2075 mL	11.0375 mL	22.0751 mL
5 mM			0.4415 mL	2.2075 mL	4.4150 mL	
	10 mM		0.2208 mL	1.1038 mL	2.2075 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: ≥ 2.5 mg/mL (5.52 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.52 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.52 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	gamma-secretase inhibitor-1 is a gamma-secretase modulator, γ-secretase inhibitor-1 is useful for Alzheimer's disease ^[1] .
IC₅₀ & Target	gamma-secretase ^[1]

REFERENCES

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

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