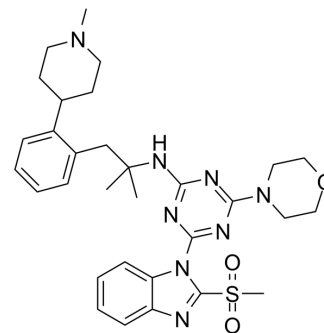


P110δ-IN-1

Cat. No.:	HY-114428		
CAS No.:	1595129-71-7		
Molecular Formula:	C ₃₁ H ₄₀ N ₈ O ₃ S		
Molecular Weight:	604.77		
Target:	PI3K		
Pathway:	PI3K/Akt/mTOR		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 4.62 mg/mL (7.64 mM; ultrasonic and warming and heat to 60°C)
 H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.6535 mL	8.2676 mL	16.5352 mL
	5 mM	0.3307 mL	1.6535 mL	3.3070 mL
	10 mM	---	---	---

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: ≥ 2.08 mg/mL (3.44 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: 2.08 mg/mL (3.44 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.08 mg/mL (3.44 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

P110δ-IN-1 is a potent and selective inhibitor of P110δ extracted from patent WO 2014055647 A1, with an IC₅₀ of 8.4 nM^[1].

REFERENCES

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

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