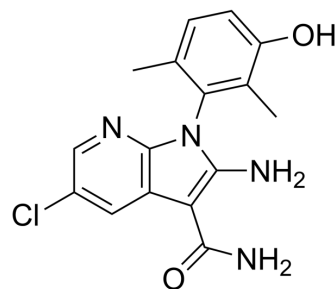


Myt1-IN-1

Cat. No.:	HY-145664		
CAS No.:	2719749-02-5		
Molecular Formula:	C ₁₆ H ₁₅ ClN ₄ O ₂		
Molecular Weight:	330.77		
Target:	Wee1		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 20 mg/mL (60.46 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.0232 mL	15.1162 mL	30.2325 mL
	5 mM		0.6046 mL	3.0232 mL	6.0465 mL
	10 mM		0.3023 mL	1.5116 mL	3.0232 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 mg/mL (6.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2 mg/mL (6.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2 mg/mL (6.05 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Myt1-IN-1 is a potent Myt1 inhibitor with an IC₅₀ of <10 nM. Myt1-IN-1 has anticancer effects (WO2021195782A1; compound 132)^[1].

REFERENCES

[1]. Daniel Durocher, et al. Methods of using myt1 inhibitors. WO2021195782A1.

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

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