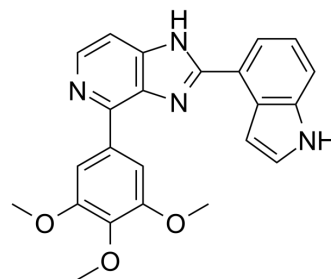


DJ101

Cat. No.:	HY-121524		
CAS No.:	1803242-21-8		
Molecular Formula:	C ₂₃ H ₂₀ N ₄ O ₃		
Molecular Weight:	400.43		
Target:	Microtubule/Tubulin		
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton		
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 : 100 mg/mL (249.73 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.4973 mL	12.4866 mL	24.9732 mL
5 mM	0.4995 mL	2.4973 mL	4.9946 mL
10 mM	0.2497 mL	1.2487 mL	2.4973 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 (6.24 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (6.24 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

DJ101 is a potent and metabolically stable tubulin inhibitor. DJ101 targets the colchicine binding site and overcomes taxane resistance. DJ101 also inhibits melanoma tumor growth and lung metastasis. DJ101 can be used for prostate cancer research^[1].

REFERENCES

- [1]. Arnst KE, Wang Y, Hwang DJ, et al. A Potent, Metabolically Stable Tubulin Inhibitor Targets the Colchicine Binding Site and Overcomes Taxane Resistance. *Cancer Res.* 2018;78(1):265-277.

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

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