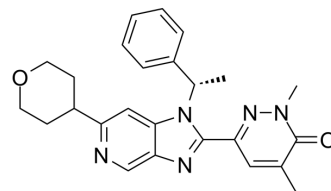


BRD4 Inhibitor-10

Cat. No.:	HY-117491		
CAS No.:	1660117-38-3		
Molecular Formula:	C ₂₅ H ₂₇ N ₅ O ₂		
Molecular Weight:	429.51		
Target:	Epigenetic Reader Domain		
Pathway:	Epigenetics		
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 : 125 mg/mL (291.03 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3282 mL	11.6412 mL	23.2823 mL
		5 mM	0.4656 mL	2.3282 mL	4.6565 mL
10 mM		0.2328 mL	1.1641 mL	2.3282 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: ≥ 2.08 mg/mL (4.84 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.84 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.84 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	BRD4 Inhibitor-10 is a potent BRD4-BD1 inhibitor extracted from patent WO2015022332A1, Compound II-25, has an IC ₅₀ of 8 nM ^[1] .
IC ₅₀ & Target	BRD4-BD1 8 nM (IC ₅₀)

REFERENCES

[1]. Harald Engelhardt, et al. Pyridinones. WO2015022332A1.

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

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