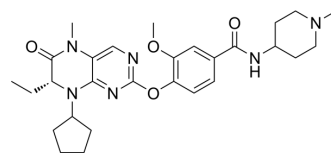


## BRD4 Inhibitor-30

Cat. No.:	HY-160499		
CAS No.:	1789731-20-9		
Molecular Formula:	C <sub>28</sub> H <sub>38</sub> N <sub>6</sub> O <sub>4</sub>		
Molecular Weight:	522.64		
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 : 100 mg/mL (191.34 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.9134 mL	9.5668 mL	19.1336 mL
5 mM	0.3827 mL	1.9134 mL	3.8267 mL
10 mM	0.1913 mL	0.9567 mL	1.9134 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 (4.78 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.5 mg/mL (4.78 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: 2.5 mg/mL (4.78 mM); Clear solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

BRD4 inhibitor-30 (Compound 1) is a BRD4 inhibitor with a IC<sub>50</sub> value of 415 nM<sup>[1]</sup>.

### REFERENCES

[1]. Koblan LW, et al. Assessment of Bromodomain Target Engagement by a Series of BI2536 Analogues with Miniaturized BET-BRET. ChemMedChem. 2016 Dec

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

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