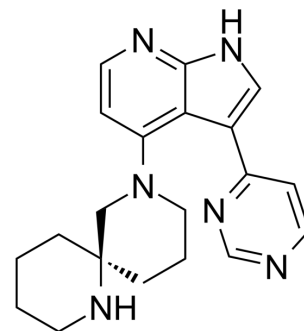


## (R)-BDP9066

Cat. No.:	HY-111424A		
CAS No.:	2284549-25-1		
Molecular Formula:	C <sub>20</sub> H <sub>24</sub> N <sub>6</sub>		
Molecular Weight:	348.44		
Target:	Others		
Pathway:	Others		
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 : 20 mg/mL (57.40 mM); ultrasonic and warming and heat to 60°C

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
1 mM		2.8699 mL	14.3497 mL	28.6993 mL
5 mM		0.5740 mL	2.8699 mL	5.7399 mL
10 mM		0.2870 mL	1.4350 mL	2.8699 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 (5.74 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2 mg/mL (5.74 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

(R)-BDP9066 is a potent inhibitor of myotonic dystrophy kinase-related Cdc42-binding kinase (MRCK). (R)-BDP9066 blocks cancer cell invasion. (R)-BDP9066 has the potential for the research of proliferative diseases, such as cancer.

### REFERENCES

- [1]. Pyrrolo[2,3-b]pyridine compounds and their use in the treatment of cancer. Patent WO2019034890A1.

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

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