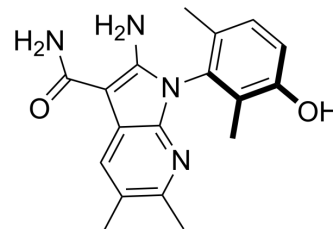


## (R)-RP-6306

Cat. No.:	HY-145817B		
CAS No.:	2719793-91-4		
Molecular Formula:	C <sub>18</sub> H <sub>20</sub> N <sub>4</sub> O <sub>2</sub>		
Molecular Weight:	324.38		
Target:	Wee1		
Pathway:	Cell Cycle/DNA Damage		
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 : 160 mg/mL (493.25 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.0828 mL	15.4140 mL	30.8280 mL
	5 mM	0.6166 mL	3.0828 mL	6.1656 mL
	10 mM	0.3083 mL	1.5414 mL	3.0828 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

(R)-RP-6306 can be used for the research of Myt1 mediated diseases and kinds of cancer for slowing the progression of cancer<sup>[1]</sup>. (R)-RP-6306 (IC<sub>50</sub>=1360nM) is less active than (S)-RP-6306 (IC<sub>50</sub><10nM).

### REFERENCES

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

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

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