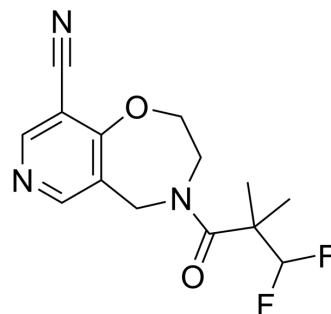


## Oditrasertib

<b>Cat. No.:</b>	HY-148787		
<b>CAS No.:</b>	2252271-93-3		
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>15</sub> F <sub>2</sub> N <sub>3</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	295.28		
<b>Target:</b>	RIP kinase		
<b>Pathway:</b>	Apoptosis		
<b>Storage:</b>	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 (338.66 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3866 mL	16.9331 mL	33.8662 mL
	5 mM	0.6773 mL	3.3866 mL	6.7732 mL
	10 mM	0.3387 mL	1.6933 mL	3.3866 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 (8.47 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 (8.47 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: 2.5 mg/mL (8.47 mM); Clear solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

Oditrasertib is a receptor-interacting protein kinase 1 (RIPK1) inhibitor with an IC<sub>50</sub> value lower than 100 nM. Oditrasertib can be used for the research of diseases involving inflammation or cell death<sup>[1]</sup>.

### REFERENCES

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

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