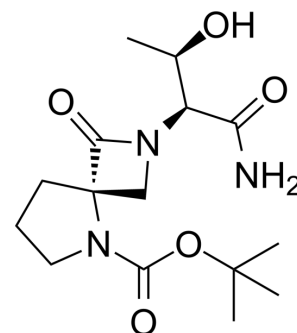


## Zelquistinel

<b>Cat. No.:</b>	HY-109164		
<b>CAS No.:</b>	2151842-64-5		
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>25</sub> N <sub>3</sub> O <sub>5</sub>		
<b>Molecular Weight:</b>	327.38		
<b>Target:</b>	iGluR		
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Neuronal Signaling		
<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 (305.46 mM; Need ultrasonic)  
 H<sub>2</sub>O : 12.5 mg/mL (38.18 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.0546 mL	15.2728 mL	30.5455 mL
	5 mM	0.6109 mL	3.0546 mL	6.1091 mL
	10 mM	0.3055 mL	1.5273 mL	3.0546 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 (7.64 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 2.5 mg/mL (7.64 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.5 mg/mL (7.64 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Zelquistinel (AGN-241751) is a N-methyl-D-aspartate (NMDA) receptor partial agonist used for the research of depression, anxiety and other related psychiatric disorders<sup>[1]</sup>.

### REFERENCES

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

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