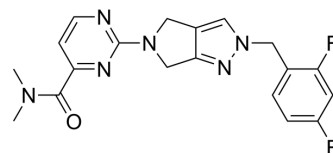


## ZCAN262

Cat. No.:	HY-163097
Molecular Formula:	C <sub>19</sub> H <sub>18</sub> F <sub>2</sub> N <sub>6</sub> O
Molecular Weight:	384.38
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	<div> <div>Powder</div> <div>-20°C    3 years</div> <div>4°C    2 years</div> </div> <div> <div>In solvent</div> <div>-80°C    6 months</div> <div>-20°C    1 month</div> </div>



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (260.16 mM; ultrasonic and warming and heat to 80°C)				
	Preparing Stock Solutions	<div><div>Solvent</div><div>Mass</div><div>Concentration</div></div>	1 mg	5 mg	10 mg
		1 mM	2.6016 mL	13.0080 mL	26.0159 mL
		5 mM	0.5203 mL	2.6016 mL	5.2032 mL
		10 mM	0.2602 mL	1.3008 mL	2.6016 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (6.50 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (6.50 mM); Clear solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (6.50 mM); Clear solution; Need ultrasonic				

### BIOLOGICAL ACTIVITY

Description	ZCAN262 (compound 6) is an AMPA modulator. ZCAN262 prevents AMPA-mediated excitotoxicity by targeting an allosteric binding site <sup>[1]</sup> .
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### REFERENCES

[1]. Dongxu Zhai, et al. Small-molecule targeting AMPA-mediated excitotoxicity has therapeutic effects in mouse models for multiple sclerosis. Sci Adv. 2023, 9, 49.

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

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