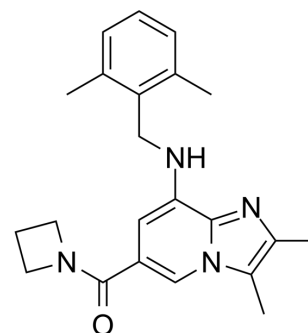


## Zastaprazan

<b>Cat. No.:</b>	HY-139557		
<b>CAS No.:</b>	2133852-18-1		
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>26</sub> N <sub>4</sub> O		
<b>Molecular Weight:</b>	362.47		
<b>Target:</b>	Proton Pump		
<b>Pathway:</b>	Membrane Transporter/Ion Channel		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 33.33 mg/mL (91.95 mM; Need ultrasonic)			
		<b>Solvent</b>	<b>Mass</b>	
		<b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>
	<b>Preparing Stock Solutions</b>		<b>10 mg</b>	
	<b>1 mM</b>	2.7588 mL	13.7942 mL	27.5885 mL
	<b>5 mM</b>	0.5518 mL	2.7588 mL	5.5177 mL
	<b>10 mM</b>	0.2759 mL	1.3794 mL	2.7588 mL
Please refer to the solubility information to select the appropriate solvent.				
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.90 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.90 mM); Clear solution			

### BIOLOGICAL ACTIVITY

<b>Description</b>	Zastaprazan (JP-1366) is a proton pump inhibitor (WO2018008929). Zastaprazan can be used for the research of gastrointestinal inflammatory diseases or gastric acid-related diseases <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	proton pump <sup>[1]</sup>
<b>In Vitro</b>	Zastaprazan is a proton pump inhibitor <sup>[1]</sup> MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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[1]. WO2018008929

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

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