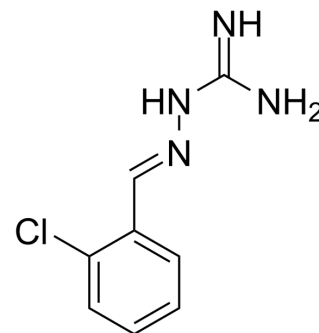


## (E/Z)-Icerguastat

Cat. No.:	HY-18956		
CAS No.:	13098-73-2		
Molecular Formula:	C <sub>8</sub> H <sub>9</sub> ClN <sub>4</sub>		
Molecular Weight:	196.64		
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 : 100 mg/mL (508.54 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	5.0854 mL	25.4272 mL	50.8544 mL
		5 mM	1.0171 mL	5.0854 mL	10.1709 mL
	10 mM	0.5085 mL	2.5427 mL	5.0854 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 (12.71 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 (12.71 mM); Clear solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (12.71 mM); Clear solution; Need ultrasonic				

### BIOLOGICAL ACTIVITY

Description	(E/Z)-Icerguastat ((E/Z)-Sephin1) is a selective inhibitor of the phosphatase regulatory subunit PPP1R15A (R15A). (E/Z)-Icerguastat can be used for protein misfolding diseases research <sup>[1]</sup> .
IC <sub>50</sub> & Target	PPP1R15A <sup>[1]</sup>

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

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