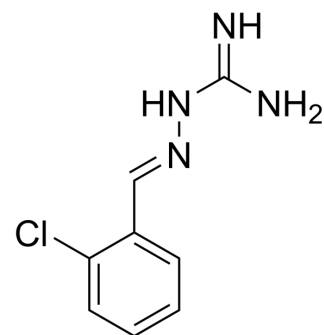


(E/Z)-Icerguastat

Cat. No.:	HY-18956		
CAS No.:	13098-73-2		
Molecular Formula:	C ₈ H ₉ ClN ₄		
Molecular Weight:	196.64		
Target:	Phosphatase		
Pathway:	Metabolic Enzyme/Protease		
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	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	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	<ol style="list-style-type: none"> 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 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 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 ^[1] .
IC₅₀ & Target	PPP1R15A ^[1]

REFERENCES

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

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