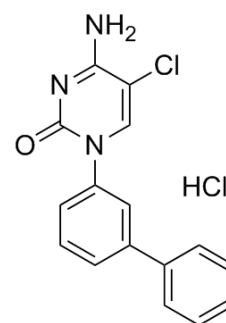


Bobcat339 hydrochloride

Cat. No.:	HY-111558A
Molecular Formula:	C ₁₆ H ₁₃ Cl ₂ N ₃ O
Molecular Weight:	334.2
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



Solvent & Solubility

In Vitro	DMSO : 130 mg/mL (388.99 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.9922 mL	14.9611 mL	29.9222 mL
		5 mM	0.5984 mL	2.9922 mL	5.9844 mL
	10 mM	0.2992 mL	1.4961 mL	2.9922 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: ≥ 2.17 mg/mL (6.49 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.17 mg/mL (6.49 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.17 mg/mL (6.49 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Bobcat339 hydrochloride is a cytosine-based TET enzyme inhibitor with IC ₅₀ of 33 μM (TET1) and 73 μM (TET2). It is useful to the field of epigenetics and serves as a starting point for new therapeutics that target DNA methylation and gene transcription.
IC ₅₀ & Target	IC ₅₀ : 33 μM (TET1), 73 μM (TET1) ^[1]

REFERENCES

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

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