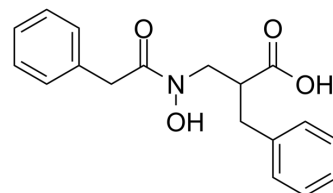


CPA inhibitor

Cat. No.:	HY-70005		
CAS No.:	223532-02-3		
Molecular Formula:	C ₁₈ H ₁₉ NO ₄		
Molecular Weight:	313.35		
Target:	Carboxypeptidase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (319.13 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.1913 mL	15.9566 mL	31.9132 mL
		5 mM	0.6383 mL	3.1913 mL	6.3826 mL
10 mM		0.3191 mL	1.5957 mL	3.1913 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 (7.98 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.98 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.98 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	CPA inhibitor (Carboxypeptidase inhibitor; compound 5) is a potent carboxypeptidase A (CPA) inhibitor with a K _i of 0.32 μM [1].
IC ₅₀ & Target	Ki: 0.32 μM (CPA) ^[1]

CUSTOMER VALIDATION

-
- Insect Biochem Mol Biol. 2021 Jun 25;103610.

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REFERENCES

[1]. D H Kim, et al. First hydroxamate inhibitors for carboxypeptidase A. N-acyl-N-hydroxy-beta-phenylalanines. Bioorg Med Chem Lett. 1999 Mar 8;9(5):691-6.

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

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