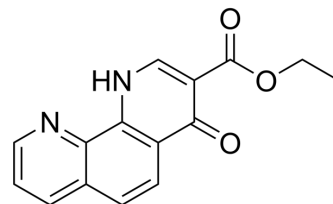


1,4-DPCA ethyl ester

Cat. No.:	HY-137239		
CAS No.:	86443-19-8		
Molecular Formula:	C ₁₅ H ₁₂ N ₂ O ₃		
Molecular Weight:	268.27		
Target:	HIF/HIF Prolyl-Hydroxylase		
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 : 20.83 mg/mL (77.65 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.7276 mL	18.6379 mL	37.2759 mL
		5 mM	0.7455 mL	3.7276 mL	7.4552 mL
	10 mM	0.3728 mL	1.8638 mL	3.7276 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: ≥ 2.08 mg/mL (7.75 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.75 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	1,4-DPCA ethyl ester is the ethyl ester of 1,4-DPCA and can inhibit factor inhibiting HIF (FIH) ^[1] .
In Vitro	1,4-DPCA ethyl ester is a tricyclic compound that inhibits factor inhibiting HIF (FIH) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Biswadip Banerji, et al. The inhibition of factor inhibiting hypoxia-inducible factor (FIH) by beta-oxocarboxylic acids. Chem Commun (Camb). 2005 Nov 21;(43):5438-40.

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

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