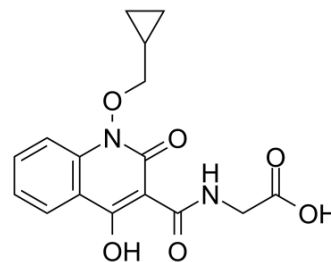


Desidustat

Cat. No.:	HY-103227		
CAS No.:	1616690-16-4		
Molecular Formula:	C ₁₆ H ₁₆ N ₂ O ₆		
Molecular Weight:	332.31		
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 : 10 mg/mL (30.09 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.0092 mL	15.0462 mL	30.0924 mL
		5 mM	0.6018 mL	3.0092 mL	6.0185 mL
10 mM		0.3009 mL	1.5046 mL	3.0092 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: ≥ 1 mg/mL (3.01 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1 mg/mL (3.01 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Desidustat is an inhibitor of HIF hydroxylase extracted from patent WO 2014102818 A1, compound example 2.
IC₅₀ & Target	HIF hydroxylase ^[1]

CUSTOMER VALIDATION

- J Anal Toxicol. 2020 May 20;bkaa055.

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- Drug Test Anal. 2020 Aug 27.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. WO 2014102818 A1

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

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