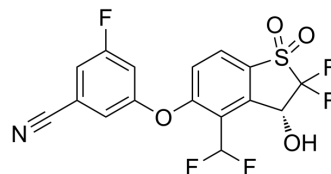


HIF-2 α -IN-1

Cat. No.:	HY-19949		
CAS No.:	1799948-06-3		
Molecular Formula:	C ₁₆ H ₈ F ₅ NO ₄ S		
Molecular Weight:	405.3		
Target:	HIF/HIF Prolyl-Hydroxylase		
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 (246.73 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.4673 mL	12.3365 mL	24.6731 mL
	5 mM	0.4935 mL	2.4673 mL	4.9346 mL
	10 mM	0.2467 mL	1.2337 mL	2.4673 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: \geq 2.5 mg/mL (6.17 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE- β -CD in saline)
Solubility: 2.5 mg/mL (6.17 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: \geq 2.5 mg/mL (6.17 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

HIF-2 α -IN-1 is a HIF-2 α inhibitor with an IC₅₀ value of less than 500 nM.

CUSTOMER VALIDATION

- Life Sci. 2019 Sep 1;232:116565.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Bruick Richard Keith, et al. HIF-2 α inhibitors for treating iron overload disorders. From PCT Int. Appl. (2016), WO 2016057242 A1 20160414.
- [2]. Dixon Darryl David, et al. Preparation of cyclic sulfone and sulfoximine analogs as HIF-2 α inhibitors. From PCT Int. Appl. (2015), WO 2015095048 A1 20150625.
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Caution: Product has not been fully validated for medical applications. For research use only.

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