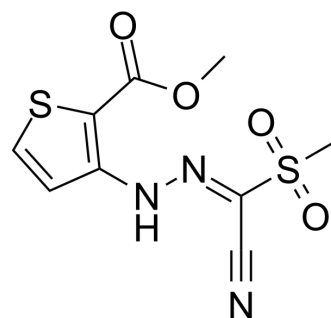


HIF-2 α -IN-4

Cat. No.:	HY-136748
CAS No.:	882268-69-1
Molecular Formula:	C ₉ H ₉ N ₃ O ₄ S ₂
Molecular Weight:	287.32
Target:	HIF/HIF Prolyl-Hydroxylase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (174.02 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.4804 mL	17.4022 mL	34.8044 mL
		5 mM	0.6961 mL	3.4804 mL	6.9609 mL
		10 mM	0.3480 mL	1.7402 mL	3.4804 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (8.70 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	HIF-2 α -IN-4 is a potent inhibitor of hypoxia inducible factor-2 α (HIF-2 α) translation, with an IC ₅₀ of 5 μ M. HIF-2 α -IN-4 decreases both constitutive and hypoxia-induced HIF-2 α protein expression. HIF-2 α -IN-4 links its 5'UTR iron-responsive element to oxygen sensing ^[1] .
IC ₅₀ & Target	IC50: 5 μ M (HIF-2 α) ^[1]
In Vitro	HIF-2 α -IN-4 (compound 76) (10 μ M; 786-O cells) decreases HIF-2 α mRNA translation in an mTOR-independent manner ^[1] . HIF-2 α -IN-4 decreases HIF-2 α protein and HIF-2 α target gene expression in normoxia and hypoxia ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA