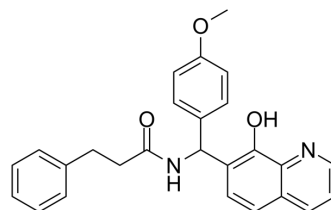


HIF1-IN-3

Cat. No.:	HY-147029
CAS No.:	333314-79-7
Molecular Formula:	C ₂₆ H ₂₄ N ₂ O ₃
Molecular Weight:	412.48
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 : 125 mg/mL (303.04 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.4244 mL	12.1218 mL	24.2436 mL
		5 mM	0.4849 mL	2.4244 mL	4.8487 mL
	10 mM	0.2424 mL	1.2122 mL	2.4244 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: ≥ 2.08 mg/mL (5.04 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.04 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	HIF1-IN-3 (compound F4) is a potent HIF1 inhibitor with an EC ₅₀ value of 0.9 μM. HIF1-IN-3 can be used for researching anticancer ^[1] .
IC₅₀ & Target	EC ₅₀ : 0.9 μM (HIF1) ^[1]

REFERENCES

[1]. Poloznikov AA, et al. Structure-activity relationship for branched oxyquinoline HIF activators: Effect of modifications to phenylacetamide "tail". Biochimie. 2017;133:74-79.

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

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