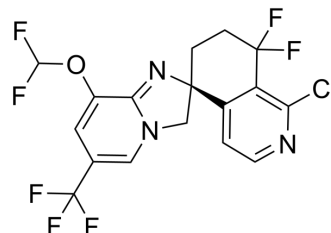


HIF-2 α -IN-8

Cat. No.:	HY-148860		
CAS No.:	2734922-78-0		
Molecular Formula:	C ₁₇ H ₁₁ ClF ₇ N ₃ O		
Molecular Weight:	441.73		
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 : 250 mg/mL (565.96 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2638 mL	11.3191 mL	22.6383 mL
	5 mM	0.4528 mL	2.2638 mL	4.5277 mL
	10 mM	0.2264 mL	1.1319 mL	2.2638 mL

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

BIOLOGICAL ACTIVITY

Description

HIF-2 α -IN-8 is a potent and orally active HIF2 α inhibitor with IC₅₀ values of 9, 37, 246 nM for HIF2 α SPA, HIF2 α iScript, HIF2 α HRE RGA, respectively. HIF-2 α -IN-8 shows antitumor activity^[1].

IC₅₀ & Target

IC₅₀: 9 nM (HIF2 α SPA); 37 nM (HIF2 α iScript); 246 nM (HIF2 α HRE RGA)^[1]

In Vivo

HIF-2 α -IN-8 (Example 31) (30 mg/kg; p.o.; daily for 21 days) shows antitumor activity in mice^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	6-9 weeks, female nude Crl:NU(NCr)-Foxn1nu-Homozygous mice (786-O mouse model) ^[1]
Dosage:	30 mg/kg
Administration:	P.o.; started 34 days post tumor inoculation; daily for 21 days
Result:	Inhibited the tumor growth.

REFERENCES

[1]. Robin Alec Fairhurst, et al. Compounds and compositions for inhibiting the activity of hif2-alpha and their methods of use. WO2021220170A1.

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