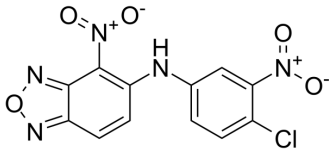
HIF-2α-IN-3

Cat. No.:	HY-18370
CAS No.:	313964-19-1
Molecular Formula:	$C_{12}H_6ClN_5O_5$
Molecular Weight:	335.66
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 : 12.5 mg/mL (37.24 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.9792 mL	14.8960 mL	29.7921 mL
5 mM	0.5958 mL	2.9792 mL	5.9584 mL
10 mM	0.2979 mL	1.4896 mL	2.9792 mL

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

BIOLOGICAL ACTIVITY

Description

HIF-2α-IN-3, an allosteric inhibitor of hypoxia inducible factor-2α (HIF-2α), exhibits an IC_{50} of 0.4 μM and a K_D of 1.1 μM. Anticancer agent[1].

IC_{50} & Target

IC50: 0.4 μM (HIF-2α)[1]
KD: 1.1 μM (HIF-2α)[1]

In Vitro

HIF-2α-IN-3 (Compound 1) inhibit HIF-2α-ARNT (also known as HIF-β) heterodimerization by binding an internal cavity of the HIF-2α PAS-B domain[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Rogers JL, et al. Development of inhibitors of the PAS-B domain of the HIF-2α transcription factor. J Med Chem. 2013 Feb 28;56(4):1739-47.

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

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