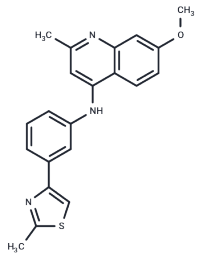
Data Sheet (Cat.No.T61349)

TargetMol®
YOUR TARGET MOLECULES

HIF-1α-IN-2

Chemical Properties



CAS No. : 2762315-06-8

Formula: C21H19N3OS

Molecular Weight: 361.46

Appearance: no data available

Storage: keep away from direct sunlight,keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	HIF-1α-IN-2 is a novel and highly potent HIF-1α inhibitor with anticancer and antitumor activity that inhibits the expression of HIF-1α and VEGF in a dose-dependent manner and inhibits cell migration.
Targets(IC50)	HIF
In vitro	HIF-1α-IN-2 (0-1 μM; 72h) dose-dependently inhibits the expression of HIF-1α and VEGF and suppresses HIF-1α mRNA levels in MDA-MB-231 cells under hypoxic conditions[1].

Solubility Information

Solubility	DMSO: 10 mg/mL (27.67 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7666 mL	13.8328 mL	27.6656 mL
5 mM	0.5533 mL	2.7666 mL	5.5331 mL
10 mM	0.2767 mL	1.3833 mL	2.7666 mL
50 mM	0.0553 mL	0.2767 mL	0.5533 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Wu YC, et al. Synthesis and evaluation of biarylquinoline derivatives as novel HIF-1α inhibitors. Bioorg Chem. 2022; 121:105681.

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