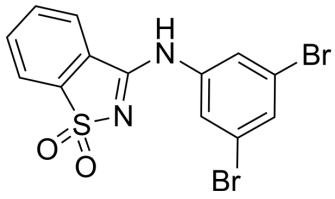
HIF-2α agonist 2

Cat. No.:	HY-153016
CAS No.:	2750141-15-0
Molecular Formula:	$C_{13}H_8Br_2N_2O_2S$
Molecular Weight:	416.09
Target:	HIF/HIF Prolyl-Hydroxylase
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (240.33 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.4033 mL	12.0166 mL	24.0333 mL
	5 mM	0.4807 mL	2.4033 mL	4.8067 mL
	10 mM	0.2403 mL	1.2017 mL	2.4033 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 (6.01 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

HIF-2α agonist 2 (compound 10) is a HIF-2α agonist with an EC_{50} value of 1.68 μM at the dose of 20 μM. HIF-2α agonist 2 is non-cytotoxic against 786-O-HRE-Luc cells. HIF-2α agonist 2 can be used for oxygen metabolism research[1].

In Vitro

HIF-2α agonist 2 (0.001-100 μM; 24 h) dose-dependently activates HIF-2 with an EC_{50} value of 1.68 μM at the dose of 20 μM[1].
HIF-2α agonist 2 (0.003-20 μM; 24 h) shows no cytotoxicity against 786-O-HRE-Luc cells[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Viability Assay[1]

Cell Line:	786-O-HRE-Luc cell line
Concentration:	0.003-20 μM
Incubation Time:	24 hours

Result:	Showed no cytotoxicity to 786-O-Luc cells.

REFERENCES

[1]. Yu Y, et al. Insight into the binding mode of HIF-2 agonists through molecular dynamic simulations and biological validation. Eur J Med Chem. 2021 Feb 5;211:112999.

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