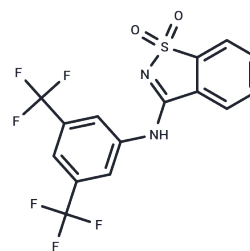


M1002

Chemical Properties

CAS No. : 823830-85-9
Formula: C₁₅H₈F₆N₂O₂S
Molecular Weight: 394.29
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	M1002 is a hypoxia-inducible factor-2 (HIF-2) agonist that enhances the affinity of HIF-2alpha and ARNT for transcriptional activation. It alters the Tyr2 conformation of the HIF-2alpha PAS-B structural domain and acts synergistically with inhibitors of the prolyl hydroxylase structural domain (PHD).
Targets(IC50)	HIF/HIF Prolyl-Hydroxylase,HIF
In vitro	M1002 (10 μM; 24 h; 786-O cells) significantly enhances the expression of HIF-2 target genes compared to the control. Additionally, M1002 treatment (5 μM) exhibits synergy with prolyl hydroxylase domain (PHD) inhibitors.[1]

Solubility Information

Solubility	DMSO: 10 mg/mL (25.36 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1 mg/mL (2.54 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5362 mL	12.681 mL	25.362 mL
5 mM	0.5072 mL	2.5362 mL	5.0724 mL
10 mM	0.2536 mL	1.2681 mL	2.5362 mL
50 mM	0.0507 mL	0.2536 mL	0.5072 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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