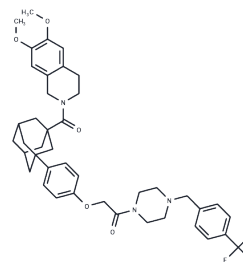


LW1564

## Chemical Properties

CAS No. : 2668337-39-9  
 Formula: C42H48F3N3O5  
 Molecular Weight: 731.84  
 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	LW1564 is an HIF-1 $\alpha$ inhibitor with an IC <sub>50</sub> of 1.2 $\mu$ M in HepG2 cells. It suppresses mitochondrial respiration, reduces ATP production, and stimulates HIF-1 $\alpha$ degradation, thereby inhibiting the proliferation of various cancer cells with a GI <sub>50</sub> ranging from 0.4 to 4.6 $\mu$ M. Additionally, LW1564 activates the AMPK signaling pathway and inhibits lipid synthesis. In HepG2 xenograft mouse models, LW1564 demonstrates antitumor activity.
Targets(IC <sub>50</sub> )	HIF/HIF Prolyl-Hydroxylase,AMPK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3664 mL	6.8321 mL	13.6642 mL
5 mM	0.2733 mL	1.3664 mL	2.7328 mL
10 mM	0.1366 mL	0.6832 mL	1.3664 mL
50 mM	0.0273 mL	0.1366 mL	0.2733 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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481