

MRT-2359

Chemical Properties

CAS No. : 2803881-11-8

Formula: C₂₂H₁₇F₄N₃O₆

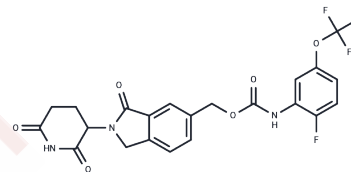
Molecular Weight: 495.38

Storage:

Store at low temperature, Keep away from direct sunlight

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	MRT-2359 is a potent and orally available GSPT1 reducer with antitumour activity. MRT-2359 inhibits the growth of drug-resistant non-small cell lung cancer (NSCLC) and small cell lung cancer (SCLC) cells. MRT-2359 exhibits preferential activity in MYC-driven cell lines.
Targets(IC50)	Apoptosis, Others

Solubility Information

Solubility	DMSO: 130 mg/mL (262.42 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0187 mL	10.0933 mL	20.1865 mL
5 mM	0.4037 mL	2.0187 mL	4.0373 mL
10 mM	0.2019 mL	1.0093 mL	2.0187 mL
50 mM	0.0404 mL	0.2019 mL	0.4037 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.

Reference

Gerald Gavory, et al. Abstract 3449: Development of MRT-2359, an orally bioavailable GSPT1 molecular glue degrader, for the treatment of lung cancers with MYC-induced translational addiction. Cancer Res. 2023 ; 83(7): 3449.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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