

SH01122147

Chemical Properties

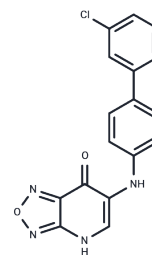
CAS No. :

Formula: C17H11ClN4O2

Molecular Weight: 338.748

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	SH01122147 (Compound 7m) disrupts the mitochondrial electron transport chain, demonstrating mitochondrial uncoupling activity (EC50=3.6 μ M). It increases the cellular oxygen consumption rate (OCR=69%) and enhances cellular respiration. Additionally, SH01122147 is orally active and can be utilized in research related to obesity and metabolic dysfunction-associated steatohepatitis (MASH).
Targets(IC50)	Mitochondrial Metabolism

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.952 mL	14.7601 mL	29.5203 mL
5 mM	0.5904 mL	2.952 mL	5.9041 mL
10 mM	0.2952 mL	1.476 mL	2.952 mL
50 mM	0.059 mL	0.2952 mL	0.5904 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

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