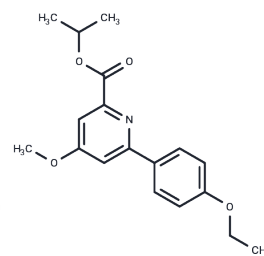


NG-497

Chemical Properties

CAS No. : 2598242-66-9
 Formula: C₁₈H₂₁NO₄
 Molecular Weight: 315.36
 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	NG-497 is a selective, small molecule inhibitor of human adipose triglyceride lipase (ATGL) that targets the enzymatically active patatin-like structural domain of human ATGL. NG-497 binds ATGL in a hydrophobic lumen adjacent to the active site. NG-497 abrogates lipolysis in human adipocytes in a dose-dependent and reversible manner. NG-497 has been shown to be useful in cancer research. can be used in cancer research.
Targets(IC50)	Lipase
In vitro	NG-497 selectively inactivates human and non-human primate ATGL, but not structurally and functionally related lipid hydrolases, and eliminates human adipocytes in a dose-dependent and reversible manner. Lipolysis.[1] NG-497 (40 μM, 80 min) reduces lipolysis-dependent respiration in HepG2 cells without impairing mitochondrial function through off-target effects.[1]

Solubility Information

Solubility	DMSO: 62.5 mg/mL (198.19 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	3.171 mL	15.8549 mL	31.7098 mL
5 mM	0.6342 mL	3.171 mL	6.342 mL
10 mM	0.3171 mL	1.5855 mL	3.171 mL
50 mM	0.0634 mL	0.3171 mL	0.6342 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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