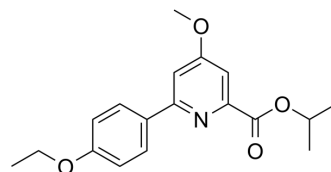


NG-497

Cat. No.:	HY-148756
CAS No.:	2598242-66-9
Molecular Formula:	C ₁₈ H ₂₁ NO ₄
Molecular Weight:	315.36
Target:	ATGL
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 70 mg/mL (221.97 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.1710 mL	15.8549 mL	31.7098 mL
5 mM	0.6342 mL	3.1710 mL	6.3420 mL
10 mM	0.3171 mL	1.5855 mL	3.1710 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

NG-497 is a selective human adipose triglyceride lipase (ATGL) inhibitor that targets the enzymatically active patatin-like domain of human ATGL. NG-497 has potential value for tumor research^[1].

In Vitro

NG-497 selectively inactivates human and nonhuman primate ATGL but not structurally and functionally related lipid hydrolases and abolishes 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]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Gernot F Grabner, et al. Small-Molecule Inhibitors Targeting Lipolysis in Human Adipocytes. J Am Chem Soc. 2022 Apr 13;144(14):6237-6250.

Caution: Product has not been fully validated for medical applications. For research use only.

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