

CTL-06

## Chemical Properties

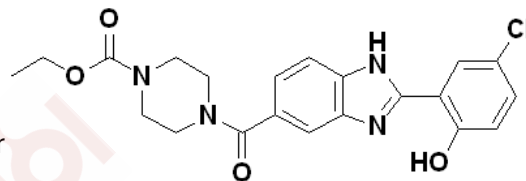
CAS No. :

Formula: C<sub>21</sub>H<sub>21</sub>ClN<sub>4</sub>O<sub>4</sub>

Molecular Weight: 428.87

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	CTL-06, a Fatty Acid Synthase (FASN) inhibitor with an IC <sub>50</sub> of 3 μM, induces apoptosis, while CTL-12 impedes cell cycle progression in the Sub-G1/S phase and modulates apoptotic and anti-apoptotic markers by upregulating caspase-9 and Bax and downregulating Bcl-xL. Additionally, CTL-12 suppresses de novo lipogenesis, curtailing the metabolic needs of tumor cells, with utilization in breast and colorectal cancer studies [1].
Targets(IC <sub>50</sub> )	Others,Fatty Acid Synthase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3317 mL	11.6585 mL	23.3171 mL
5 mM	0.4663 mL	2.3317 mL	4.6634 mL
10 mM	0.2332 mL	1.1659 mL	2.3317 mL
50 mM	0.0466 mL	0.2332 mL	0.4663 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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