

PF-04620110

## Chemical Properties

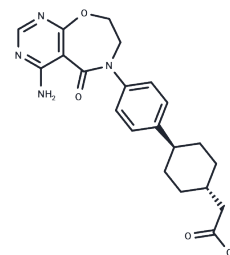
CAS No. : 1109276-89-2

Formula: C<sub>21</sub>H<sub>24</sub>N<sub>4</sub>O<sub>4</sub>

Molecular Weight: 396.44

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	PF-04620110 is an orally active, selective and potent diglyceride acyltransferase-1 (DGAT1) inhibitor with IC <sub>50</sub> of 19 nM.
Targets(IC <sub>50</sub> )	Acyltransferase, Transferase
In vitro	Ampiroxicam (<150 μM) dose-dependently decreases the proliferation of Panc-1 cells. [1] Ampiroxicam (50 μM) results in decreased expression of Sp1, Sp3, Sp4, and VEGFR1 proteins in Panc-1 cells and L3.6pl cells as determined by Western blot analysis. Ampiroxicam (50 μM) results in increased phosphorylation of MAPK1/2 in Panc-1 cells and L3.6pl cells. [2]
In vivo	In Rats, PF-04620110 reduces plasma triglyceride levels at doses of ≥0.1 mg/kg following a lipid challenge. [1] DGAT1 inhibition by PF-04620110 causes an enrichment of polyunsaturated fatty acids within the TG class of lipids in rodents. [2]

## Solubility Information

Solubility	DMSO: 19.8 mg/mL (49.94 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	2.5224 mL	12.6122 mL	25.2245 mL
5 mM	0.5045 mL	2.5224 mL	5.0449 mL
10 mM	0.2522 mL	1.2612 mL	2.5224 mL
50 mM	0.0504 mL	0.2522 mL	0.5045 mL

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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

Dow RL, et al. ACS Med Chem Lett. 2011, 2(5), 407-412.

Maciejewski BS, et al. Am J Physiol Gastrointest Liver Physiol. 2013, 304(11), G958-969.

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