

Product Name: PF 04620110

Catalog No.: 5863

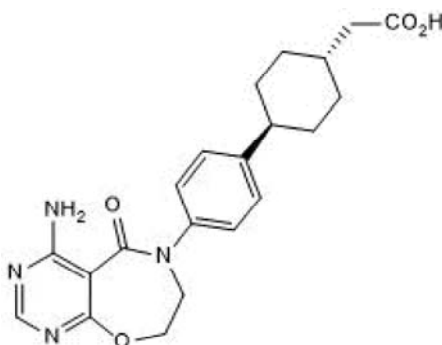
Batch No.: 1

CAS Number: 1109276-89-2

IUPAC Name: *trans*-4-[4-(4-Amino-7,8-dihydro-5-oxopyrimido[5,4-*f*][1,4]oxazepin-6(5*H*)-yl)phenyl]cyclohexaneacetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₁H₂₄N₄O₄
Batch Molecular Weight: 396.44
Physical Appearance: Off White solid
Solubility: DMSO to 20 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	63.62	6.1	14.13
Found	63.46	6.14	14.14

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Potent and selective DGAT-1 inhibitor (IC₅₀ = 19 nM). Exhibits >1000-fold selectivity for DGAT-1 over DGAT-2, and no significant activity against a range of other enzymes, ion channels and receptors. Reduces plasma triglyceride levels in a rat lipid challenge model. Orally bioavailable.

Physical and Chemical Properties:

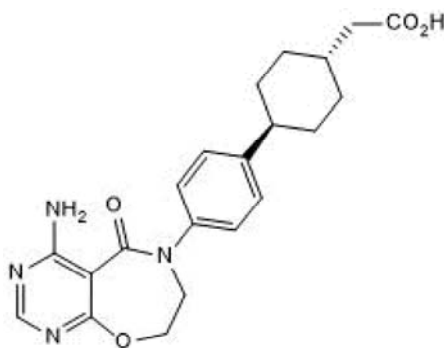
Batch Molecular Formula: C₂₁H₂₄N₄O₄

Batch Molecular Weight: 396.44

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Dow et al (2011) Discovery of PF-04620110, a potent, selective, and orally bioavailable inhibitor of DGAT-1. *ACS Med.Chem.Lett.* **2** 407. PMID: 24900321.

Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 20 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Licensing Information:

Sold for research purposes under agreement from Pfizer Inc.

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