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(5H)-yl)phenyl]cyclohexaneacetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{21}H_{24}N_{4}O_{4}  
Batch Molecular Weight: 396.44  
Physical Appearance: Off White solid  
Solubility: DMSO to 20 mM  
Storage: Store at +4°C  

2. ANALYTICAL DATA

HPLC: Shows 98.9% purity  
\(^1\)H 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 (IC\textsubscript{50} = 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: C\textsubscript{21}H\textsubscript{24}N\textsubscript{4}O\textsubscript{4}
Batch Molecular Weight: 396.44
Physical Appearance: Off White solid
Minimum Purity: >98%

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.

References: