bio-techne
TOCRIS

Print Date: Jun 20th 2025

Certificate of Analysis

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Product Name: **PF 06424439** **Catalog No.: 6348** **Batch No.: 3**

CAS Number: 1469284-79-4

IUPAC Name: [(3*R*)-1-[2-[1-(4-Chloro-1*H*-pyrazol-1-yl)cyclopropyl]-3*H*-imidazo[4,5-b]pyridin-5-yl]-3-piperidinyl]-1-pyrrolidinylmethanone methanesulfonate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{22}H_{26}ClN_7O.CH_4O_3S.¼H_2O$

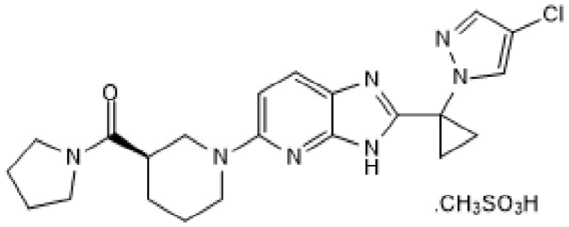
Batch Molecular Weight: 540.55

Physical Appearance: Off White solid

Solubility: water to 100 mM
DMSO to 100 mM
ethanol to 100 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.6% purity

Chiral HPLC: Shows 99.9% purity

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	51.1	5.69	18.14
Found	51.02	5.55	17.69

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Description:

PF 06424439 is a potent and selective DGAT2 inhibitor (IC_{50} = 14 nM). Exhibits no significant activity at MGAT1-3 or DGAT1. Reduces triglyderide synthesis in human hepatocytes in vitro. Reduces plasma triglyceride and cholesterol levels in a rat dyslipidemia model. Orally bioavailable.

Physical and Chemical Properties:

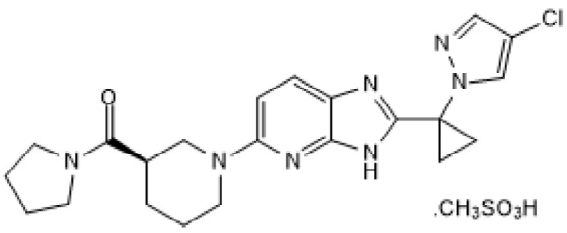
Batch Molecular Formula: $C_{22}H_{26}ClN_7O.CH_4O_3S.¼H_2O$

Batch Molecular Weight: 540.55

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

water to 100 mM
DMSO to 100 mM
ethanol to 100 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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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:

Futatsugi *et al* (2015) Discovery and optimization of imidazopyridine-based inhibitors of diacylglycerol acyltransferase 2 (DGAT2). J.Med.Chem. ***58*** 7173. PMID: 26349027.