

Product Name: PF 573228

Catalog No.: 3239

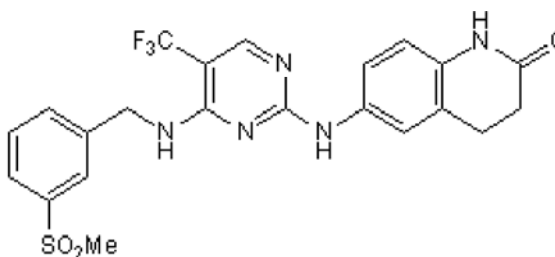
Batch No.: 4

CAS Number: 869288-64-2

IUPAC Name: 3,4-Dihydro-6-[[4-[[[3-(methylsulfonyl)phenyl]methyl]amino]-5-(trifluoromethyl)-2-pyrimidinyl]amino]-2(1H)-quinolinone

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₂₀F₃N₅O₃S
Batch Molecular Weight: 491.49
Physical Appearance: Off White solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.3 (Ethyl acetate)
HPLC: Shows 98.3% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	53.76	4.1	14.25
Found	53.97	4.46	14.26

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

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Description:

Potent and selective inhibitor of focal adhesion kinase (FAK) (IC₅₀ = 4 nM). Displays 50 - 250-fold selectivity for FAK over other protein kinases. Blocks serum and fibronectin-directed migration and decreases focal adhesion turnover in vitro.

Physical and Chemical Properties:

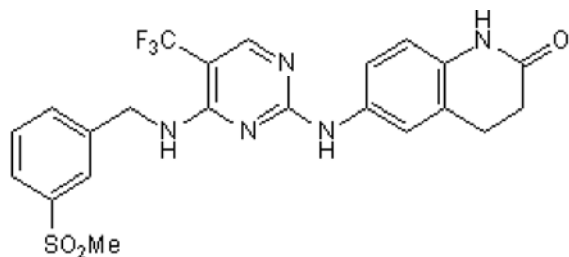
Batch Molecular Formula: C₂₂H₂₀F₃N₅O₃S

Batch Molecular Weight: 491.49

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO 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. 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:

Kostourou et al (2013) FAK-heterozygous mice display enhanced tumour angiogenesis. *Nat. Commun.* **5** 2020. PMID: 23799510.

Slack-Davis et al (2007) Cellular characterization of a novel focal adhesion kinase inhibitor. *J. Biol. Chem.* **282** 14845. PMID: 17395594.

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