

Product Name: PF 05180999

Catalog No.: 6405

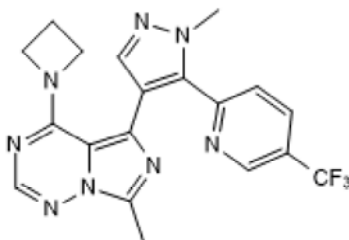
Batch No.: 1

CAS Number: 1394033-54-5

IUPAC Name: 4-(1-Azetidinyl)-7-methyl-5-[1-methyl-5-[5-(trifluoromethyl)-2-pyridinyl]-1*H*-pyrazol-4-yl]-imidazo[5,1-*f*][1,2,4]triazine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₁₇F₃N₈
Batch Molecular Weight: 414.39
Physical Appearance: White solid
Solubility: DMSO to 50 mM
ethanol to 50 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.7% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	55.07	4.14	27.04
Found	55.12	4.13	27.12

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

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Description:

Potent and selective PDE2A inhibitor (IC₅₀ = 1 nM). Exhibits 2000-fold selectivity for PDE2A over PDE10A. Brain penetrant.

Physical and Chemical Properties:

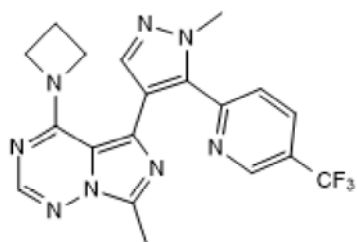
Batch Molecular Formula: C₁₉H₁₇F₃N₈

Batch Molecular Weight: 414.39

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 50 mM

ethanol to 50 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:

Mikami et al (2017) Discovery of orally bioavailable brain penetrating *in vivo* active phosphodiesterase 2a inhibitor series for the treatment of cognitive disorders. *J.Med.Chem.* **60** 7658.

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