

Product Name: PF 06650833

Catalog No.: 6373

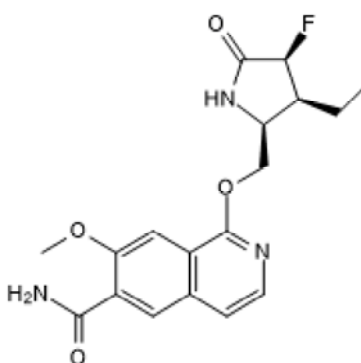
Batch No.: 2

CAS Number: 1817626-54-2

IUPAC Name: 1-[[[(2S,3S,4S)-3-Ethyl-4-fluoro-5-oxo-2-pyrrolidiny]methoxy]-7-methoxy-6-isoquinolinecarboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₂₀FN₃O₄
Batch Molecular Weight: 361.37
Physical Appearance: Off White solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	59.83	5.58	11.63
Found	59.72	5.57	11.48

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

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Description:

Potent and selective IRAK4 inhibitor ($IC_{50} = 2$ nM). Inhibits LPS-induced TNF- α secretion in vivo. Orally bioavailable.

Physical and Chemical Properties:

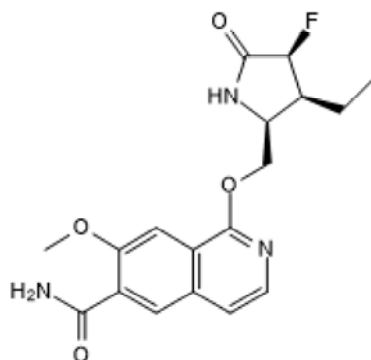
Batch Molecular Formula: $C_{18}H_{20}FN_3O_4$

Batch Molecular Weight: 361.37

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°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:

Lee *et al* (2017) Discovery of clinical candidate 1-[[[(2S,3S,4S)-3-ethyl-4-fluoro-5-oxopyrrolidin-2-yl]methoxy]-7-methoxyisoquinoline-6-carboxamide (PF-06650833), a potent, selective inhibitor of interleukin-1 receptor associated kinase 4 (IRAK4) *J.Med.Chem.* **60** 6621. PMID: 28498658.

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