

Certificate of Analysis

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Product Name: CZC 24832

Catalog No.: 4674

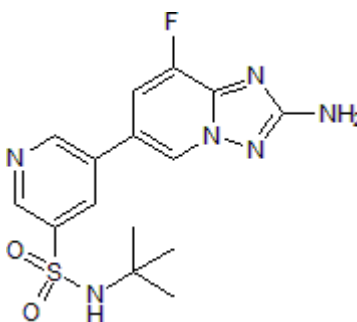
Batch No.: 2

CAS Number: 1159824-67-5

IUPAC Name: 5-(2-Amino-8-fluoro[1,2,4]triazolo[1,5-a]pyridin-6-yl)-*N*-(1,1-dimethylethyl)-3-pyridinesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₅H₁₇FN₆O₂S
Batch Molecular Weight: 364.4
Physical Appearance: Off-white solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.42 (Chloroform:Methanol [9:1])
HPLC: Shows 99.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	49.44	4.7	23.06
Found	49.44	4.73	22.82

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

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Description:

Selective inhibitor of PI 3-kinase γ (IC_{50} = 1.0 μ M in a PI 3-K γ -dependent fMLP-induced neutrophil migration assay). Exhibits limited off-target effects in kinome profiling of 154 identified lipid and protein kinases and 922 other proteins. Orally effective in a rodent model of inflammatory disease.

Physical and Chemical Properties:

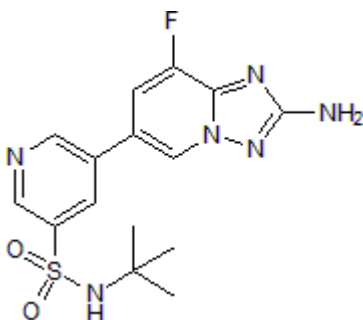
Batch Molecular Formula: C₁₅H₁₇FN₆O₂S

Batch Molecular Weight: 364.4

Physical Appearance: Off-white solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Bergamini et al (2012) A selective inhibitor reveals PI3K γ dependence of T(H)17 cell differentiation. *Nat.Chem.Biol.* **8** 576. PMID: 22544264.

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.

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