

Product Name: AZ PFKFB3 67

Catalog No.: 5742

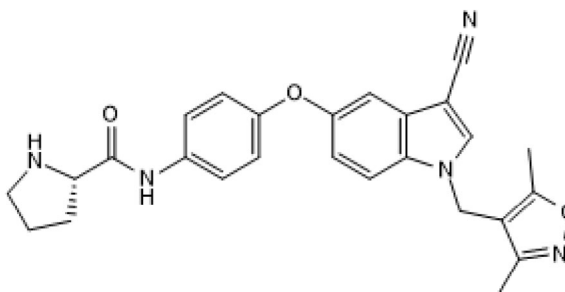
Batch No.: 3

CAS Number: 1704741-11-6

IUPAC Name: (2S)-N-[4-[[3-Cyano-1-[(3,5-dimethyl-4-isoxazolyl)methyl]-1H-indol-5-yl]oxy]phenyl]-2-pyrrolidinecarboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₆H₂₅N₅O₃.
Batch Molecular Weight: 455.51
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.8% purity
Chiral HPLC: Shows 99.0% purity
¹H NMR: Consistent with structure
 Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	68.56	5.53	15.37
Found	67.67	5.6	15.01

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Description:

AZ PFKFB3 67 is a potent and selective PFKFB3 inhibitor (IC₅₀ values are 11, 159 and 1130 nM for PFKFB3, PFKFB2 and PFKFB1 respectively).

Physical and Chemical Properties:

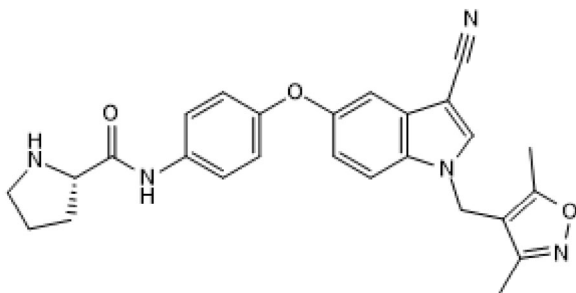
Batch Molecular Formula: C₂₆H₂₅N₅O₃.

Batch Molecular Weight: 455.51

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

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.

References:

Boyd et al (2015) Structure-based design of potent and selective inhibitors of the metabolic kinase PFKFB3. *J.Med.Chem.* **58** 3611. PMID: 25849762.

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