

Certificate of Analysis

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Product Name: AZ 3137

Catalog No.: 8833

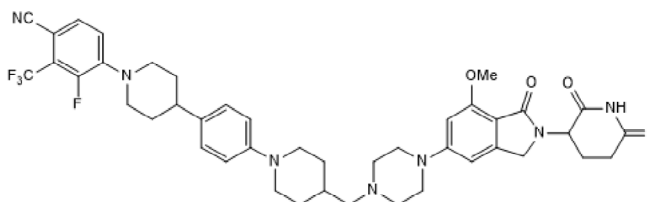
Batch No.: 1

CAS Number: 2960179-55-7

IUPAC Name: 4-[4-[4-[4-[2-(2,6-Dioxo-3-piperidiny)-2,3-dihydro-7-methoxy-1-oxo-1*H*-isoindol-5-yl]-1-piperazinyl]methyl]-1-piperidiny]phenyl]-1-piperidiny]-3-fluoro-2-(trifluoromethyl)benzonitrile

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄₃H₄₇F₄N₇O₄
Batch Molecular Weight: 801.89
Physical Appearance: Off White solid
Solubility: DMSO to 10 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.6% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	64.41	5.91	12.23
Found	63.76	5.91	12.09

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

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Description:

AZ 3137 is a potent and selective androgen receptor (AR) Degradar (PROTAC®)(DC₅₀ = 22 nM in LNCaP cells). AZ 3137 can degrade L702H mutant AR (DC₅₀ = 158 nM). AZ 3137 inhibits the proliferation of LNCaPs cells (GI₅₀ = 74 nM). AZ 3137 inhibits AR signaling in vitro and tumor growth in vivo in a mouse prostate cancer xenograft model. AZ 3137 is orally bioavailable.

Physical and Chemical Properties:

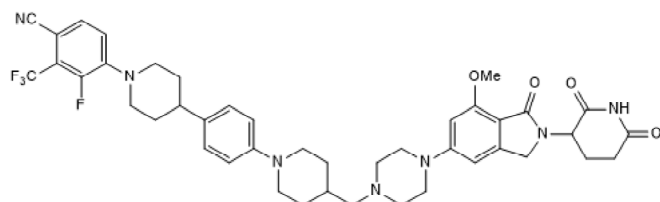
Batch Molecular Formula: C₄₃H₄₇F₄N₇O₄

Batch Molecular Weight: 801.89

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Bagal et al (2024) Discovery of a series of orally bioavailable androgen receptor Degraders for the treatment of prostate cancer. J.Med.Chem. **67** 11732. PMID: 38991141.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 10 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.

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