

Certificate of Analysis

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Product Name: cis MZ 1

Catalog No.: 6155

Batch No.: 2

CAS Number: 1797406-72-4

IUPAC Name: (2*S*,4*S*)-1-((*S*)-2-(*tert*-butyl)-17-((*S*)-4-(4-chlorophenyl)-2,3,9-trimethyl-6*H*-thieno[3,2-*f*][1,2,4]triazolo[4,3-*a*][1,4]diazepin-6-yl)-4,16-dioxo-6,9,12-trioxa-3,15-diazaheptadecanoyl)-4-hydroxy-*N*-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄₉H₆₀ClN₉O₈S₂·1¼H₂O

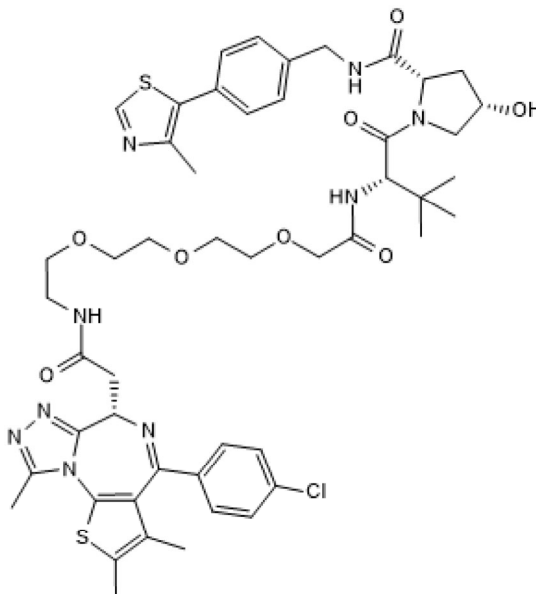
Batch Molecular Weight: 1025.16

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 99.8% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon Hydrogen Nitrogen		
Theoretical	57.41	6.14	12.3
Found	57.21	6	12

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

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Description:

cis MZ 1 is a negative control for MZ1 (Cat.No. 6154). Exhibits no significant VHL binding affinity.

Physical and Chemical Properties:

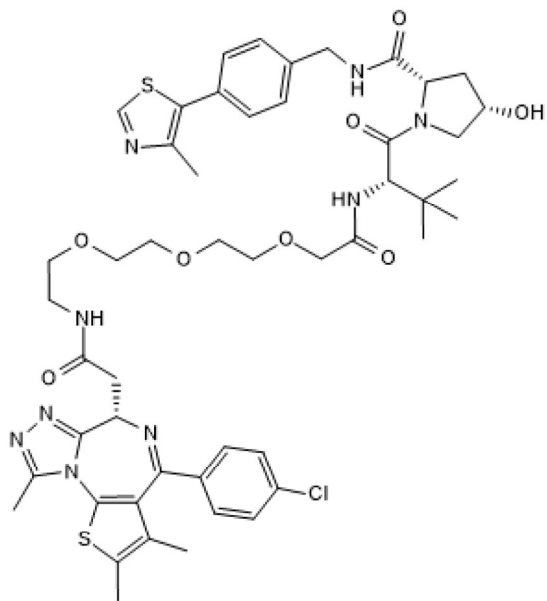
Batch Molecular Formula: C₄₉H₆₀ClN₉O₈S₂·1¼H₂O

Batch Molecular Weight: 1025.16

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.

Licensing Information:

Sold under licence from the University of Dundee

References:

Zengerle et al (2015) Selective small molecule induced degradation of the BET bromodomain protein BRD4. ACS.Chem.Biol. **10** 1770. PMID: 26035625.

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