

Product Name: EED 226

Catalog No.: 7762

Batch No.: 1

CAS Number: 2083627-02-3

IUPAC Name: *N*-(2-Furanylmethyl)-8-[4-(methylsulfonyl)phenyl]-1,2,4-triazolo[4,3-*c*]pyrimidin-5-amine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₅N₅O₃S·³/₄H₂O

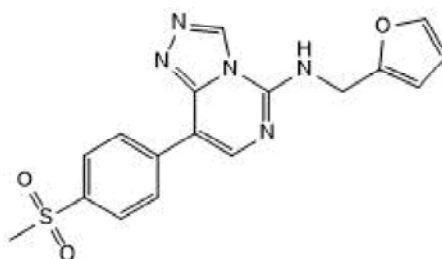
Batch Molecular Weight: 382.91

Physical Appearance: Off-white solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.7% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	53.32	4.34	18.29
Found	52.77	4.5	18.31

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

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Description:

EED 226 is a potent (IC₅₀ = 23.4 nM) and selective EED inhibitor. It inhibits PRC2 activity by binding to the H3K27me3 pocket of EED. The compound shows selectivity for PRC2 complex over protein methyltransferases, kinases, and other protein classes. In vitro, EED 226 regulates histone H3K27 methylation and PRC2 target gene expression. In vivo, it induces tumor regression in a mouse xenograft model. EED 226 is orally bioavailable.

Physical and Chemical Properties:

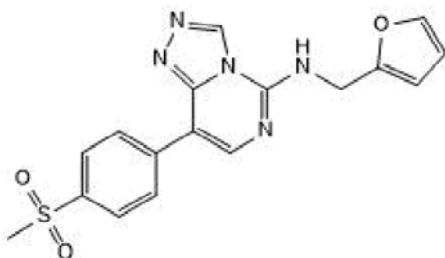
Batch Molecular Formula: C₁₇H₁₅N₅O₃S·¾H₂O

Batch Molecular Weight: 382.91

Physical Appearance: Off-white solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Qi *et al* (2017) An allosteric PRC2 inhibitor targeting the H3K27me3 binding pocket of EED. *Nat.Chem.Biol.* **13** 381. PMID: 28135235.

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.

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