

Product Name: FHT 1015

Catalog No.: 7644

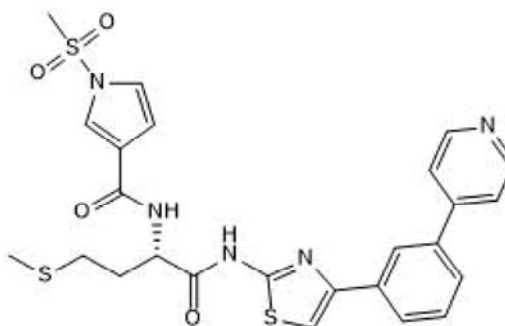
Batch No.: 1

CAS Number: 2368903-18-6

IUPAC Name: (S)-1-(Methylsulfonyl)-N-[4-(methylthio)-1-oxo-1-[[4-[3-(pyridin-4-yl)phenyl]thiazol-2-yl]amino]butan-2-yl]-1H-pyrrole-3-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₂₅ H ₂₅ N ₅ O ₄ S ₃
Batch Molecular Weight:	555.69
Physical Appearance:	Off-white solid
Solubility:	DMSO to 100 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 95.6% purity
Chiral HPLC:	Shows 100% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure
Microanalysis:	

	Carbon	Hydrogen	Nitrogen
Theoretical	54.03	4.53	12.6
Found	53.13	4.45	12.21

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

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Description:

FHT 1015 is a potent and selective allosteric inhibitor of SMARCA4/SMARCA2 ATPase (also known as BRG1/BRM respectively) of the BAF (BRG/Brahma-associated factors) complex, with IC₅₀s of ≤ 10 nM. Exhibits selectivity for SMARCA4/SMARCA2 over related CHD4 (IC₅₀ of > 400 μM). Mutations in I1143 on SMARCA4 and I1173 on SMARCA2 render these proteins resistant to inhibition by FHT 1015. The compound induces lineage-specific changes in chromatin accessibility in different cancer cell lines, preventing binding of cancer-associated transcription factors, SOX10 and MITF transcription factors.

Physical and Chemical Properties:

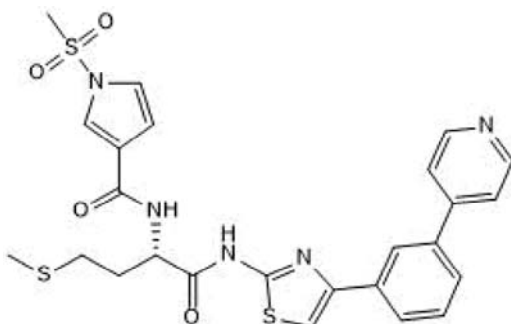
Batch Molecular Formula: C₂₅H₂₅N₅O₄S₃

Batch Molecular Weight: 555.69

Physical Appearance: Off-white solid

Minimum Purity: ≥95%

Batch Molecular Structure:



References:

Centore *et al* (2021) Discovery of novel BAF inhibitors for the treatment of transcription factor-driven cancers. *Cancer Res.* **81** (13).

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.

Licensing Information:

Sold under license from Foghorn Therapeutics Inc.

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