

Product Name: FHT 2344

Catalog No.: 7645

Batch No.: 1

CAS Number: 2468058-90-2

IUPAC Name: *N*-[(1*S*)-1-(Methoxymethyl)-2-[[4-[3-(1-methyl-1*H*-pyrazol-3-yl)phenyl]-2-thiazolyl]amino]-2-oxoethyl]-1-(methylsulfonyl)-1*H*-pyrrole-3-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₂₄N₆O₅S₂·1¼H₂O

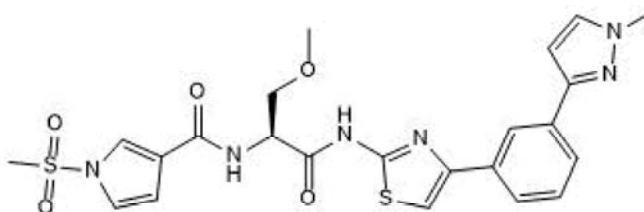
Batch Molecular Weight: 551.12

Physical Appearance: White solid

Solubility: DMSO to 50 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 95.5% purity

Chiral HPLC: Shows 96.8% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	50.12	4.85	15.25
Found	49.62	4.6	15.38

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

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Description:

FHT 2344 is a potent allosteric and ATP-competitive inhibitor of SMARCA2/SMARCA4 ATPases (also known as BRM/BRG1) of the BAF complex (IC₅₀ values are 13.8 and 26.1 nM at SMARCA2 and SMARCA4, respectively). FHT 2344 inhibits SMARCA2 transcriptional activity in a BRG1-mutant cell line and SMARCA4 transcription in a BRM-mutant cell line (IC₅₀ values are 29.8 and 30.2 nM, respectively). Dose-dependently reduces tumor growth in a uveal melanoma xenograft model and suppresses SOX10 transcription.

Physical and Chemical Properties:

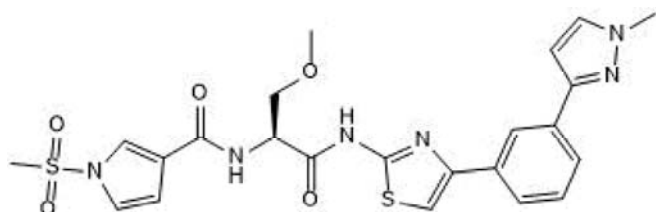
Batch Molecular Formula: C₂₃H₂₄N₆O₅S₂·1¼H₂O

Batch Molecular Weight: 551.12

Physical Appearance: 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** 1224.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 50 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

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