

Product Name: WM 3835

Catalog No.: 7366

Batch No.: 1

CAS Number: 2229025-70-9

IUPAC Name: *N'*-(4-Fluoro-5-methyl-[1,1'-biphenyl]-3-carbonyl)-3-hydroxybenzenesulfonylhydrazide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₁₇FN₂O₄S.

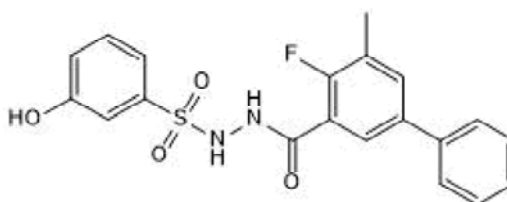
Batch Molecular Weight: 400.42

Physical Appearance: White solid

Solubility: DMSO to 100 mM
ethanol to 50 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.9% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	59.99	4.28	7
Found	59.63	4.27	7.01

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

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Description:

WM 3835 is a lysine acetyltransferase HBO1 (KAT7) inhibitor. Reduces H3K14ac levels and inhibits growth and viability of acute myeloid leukemia cell lines in vitro. Cell-permeable.

Physical and Chemical Properties:

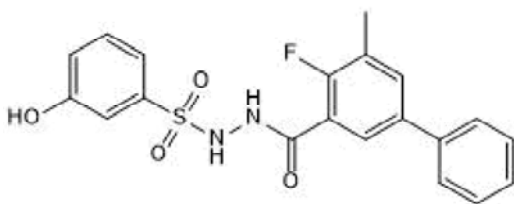
Batch Molecular Formula: C₂₀H₁₇FN₂O₄S.

Batch Molecular Weight: 400.42

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol 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.

References:

MacPherson *et al* (2019) HBO1 is required for the maintenance of leukaemia stem cells. *Nature* **577** 299. PMID: 31827282.

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