

**Product Name:** WM 3835

**Catalog No.:** 7366

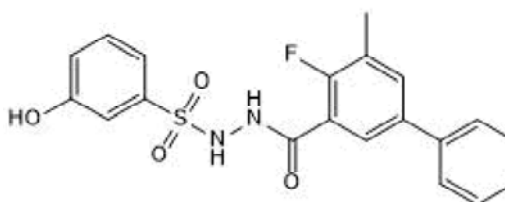
**Batch No.:** 1

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:** C<sub>20</sub>H<sub>17</sub>FN<sub>2</sub>O<sub>4</sub>S.  
**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  
**<sup>1</sup>H 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:**

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:**

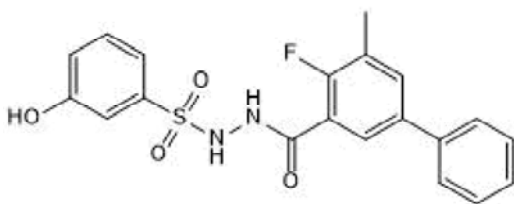
Batch Molecular Formula: C<sub>20</sub>H<sub>17</sub>FN<sub>2</sub>O<sub>4</sub>S.

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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