

Product Name: WM 8014

Catalog No.: 6693

Batch No.: 1

CAS Number: 2055397-18-5

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₁₇FN₂O₃S.

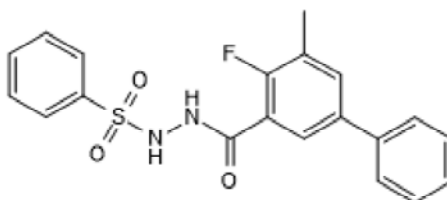
Batch Molecular Weight: 384.42

Physical Appearance: White solid

Solubility: DMSO to 20 mM
ethanol to 10 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.8% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon Hydrogen Nitrogen		
Theoretical	62.49	4.46	7.29
Found	62.39	4.45	7.34

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

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Catalog No.: 6693

Batch No.: 1

CAS Number: 2055397-18-5

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

Description:

WM 8014 is a potent and selective lysine acetyltransferase KAT6A and KAT6B inhibitor (IC₅₀ values are 8 and 28 nM, respectively). Exhibits > 10-fold selectivity for KAT6A/B over KAT7 and KAT5, and no significant activity against KAT8, KAT2A/2B, and KAT3A/B. Induces cell cycle arrest in G₁/G₀ in MEFs and inhibits proliferation of lymphoma cells in vitro. Cell permeant. Suitable for use in vitro.

Physical and Chemical Properties:

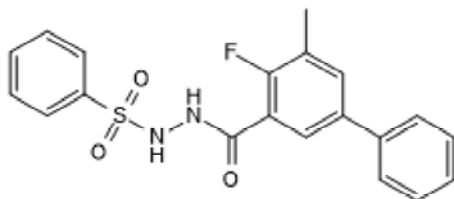
Batch Molecular Formula: C₂₀H₁₇FN₂O₃S.

Batch Molecular Weight: 384.42

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Baell *et al* (2018) Inhibitors of histone acetyltransferases KAT6A/B induce senescence and arrest tumour growth. *Nature* **560** 253. PMID: 30069049.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 20 mM

ethanol to 10 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 Monash University

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