

Product Name: WM 1119

Catalog No.: 6692

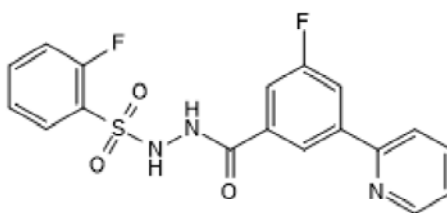
Batch No.: 1

CAS Number: 2055397-28-7

IUPAC Name: 2-Fluoro-*N'*-(3-fluoro-5-(pyridin-2-yl)benzoyl)benzenesulfonohydrazide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₁₃F₂N₃O₃S
Batch Molecular Weight: 389.38
Physical Appearance: Off White solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.1 (Ethyl acetate:Petroleum ether [3:2])
HPLC: Shows 99.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	55.52	3.37	10.79
Found	55.54	3.33	10.78

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

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Description:

WM 1119 is a high affinity and competitive lysine acetyltransferase 6A (KAT6A/MOZ) inhibitor ($K_d = 2$ nM), which displays >250-fold affinity for KAT6A compared to KAT5 and KAT7. WM 1119 induces cell-cycle exit and cellular senescence, and inhibits growth of B-cell lymphoma cells in vitro ($IC_{50} = 0.25$ μ M). WM 1119 also reduces H3K9ac in tumor cells, and decreases tumor burden and spleen weight in a mouse lymphoma model.

Physical and Chemical Properties:

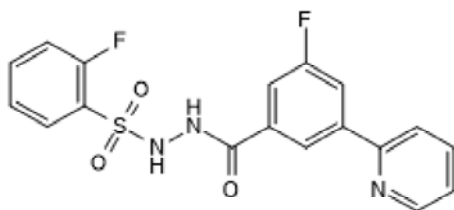
Batch Molecular Formula: C₁₈H₁₃F₂N₃O₃S

Batch Molecular Weight: 389.38

Physical Appearance: Off White solid

Minimum Purity: $\geq 98\%$

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 +4°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 Monash University

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