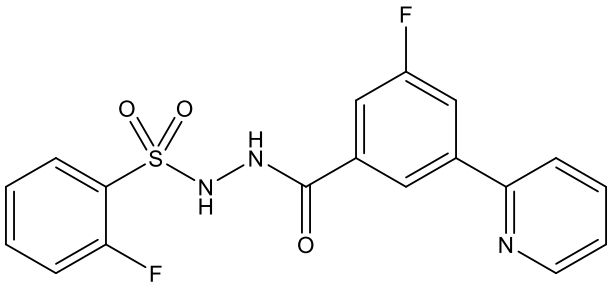
Catalog # 10-4013

WM-1119

CAS# 2055397-28-7

3-Fluoro-N'-(2-fluorophenyl)sulfonyl-5-pyridin-2-ylbenzohydrazide; 3-Fluoro-N'-(2-fluorobenzenesulfonyl)-5-(pyridine-2-yl)benzohydrazide

Lot # FBS3027



WM-1119 is a potent and selective inhibitor of the MYST family histone acetyltransferase KAT6A (MOZ) – IC_{50} = 6.3 nM.[1,2] Induces cell cycle exit and cellular senescence without causing DNA damage. WM-1119 repressed the cell proliferation of sorafenib-resistant hepatocellular carcinoma cells.[3]

1) Baell *et al*. (2018), *Inhibitors of histone acetyltransferases KAT6A/B induce senescence and arrest tumour growth*; Nature, **560** 253
2) Priebbenow *et al*. (2020), *Discovery of Acylsulfonohydrazide-Derived Inhibitors of the Lysine Acetyltransferase, KAT6A, as Potent Senescence-Inducing Anti-Cancer Agents*; J. Med. Chem., **63** 4655
3) Jin *et al*. (2021), *KAT6A is associated with sorafenib resistance and contributes to progression of hepatocellular carcinoma by targeting YAP*; Biochem. Biophys. Res. Commun., **585** 185

PHYSICAL DATA

Molecular Weight:	389.38
Molecular Formula:	$C_{18}H_{13}F_2N_3O_3S$
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/ml)
Physical Description:	White solid.
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase.
	Solutions in DMSO may be stored at -20°C for up to 3 months.

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