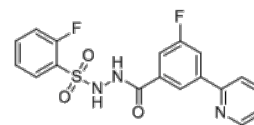


Product Name : WM-1119
Cat. No. : PC-35580
CAS No. : 2055397-28-7
Molecular Formula : C₁₈H₁₃F₂N₃O₃S
Molecular Weight : 389.377
Target : Histone Acetyltransferase (HAT)
Solubility : 10 mM in DMSO



Biological Activity

WM-1119 (WM1119) is a highly potent, selective inhibitor of **lysine acetyltransferase KAT6A** with K_d of 2 nM, shows greater bioavailability and specificity for KAT6A than WM-8014.

WM-1119 displays 1,100-fold and 250-fold selectivity over KAT5 and KAT7, respectively; causes cell cycle arrest in G1 and senescence phenotype similar to WM-8014.

WM-1119 demonstrates growth inhibition assays in lymphoma cell line EMRK1184 (IC₅₀=0.25 μM, 10-fold potency than WM-8014), increases levels of Cdkn2a and Cdkn2b mRNA and p16INK4a and p19ARF protein, as well as a delayed increase in Cdkn1a mRNA.

WM-1119 arrests lymphoma growth in vivo without effect on haematocrit, erythrocytes or platelet numbers.

References

Baell JB, et al. *Nature*. 2018 Aug;560(7717):253-257.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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