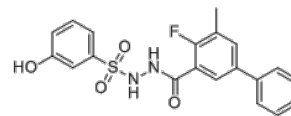


Product Name : WM-3835
Cat. No. : PC-38289
CAS No. : 2229025-70-9
Molecular Formula : C₂₀H₁₇FN₂O₄S
Molecular Weight : 400.42
Target : Histone Acetyltransferase (HAT)
Solubility : 10 mM in DMSO



Biological Activity

WM-3835 (WM 3835) is a potent, high-specific, cell-permeable inhibitor of MYST acetyltransferase **HBO1** (**KAT7** or MYST2). WM-3835 showed increased potency against HBO1 compared to WM-1119.

Treatment of a diverse set of AML cell lines with WM-3835 resulted in a marked reduction in tumour-cell viability, with an excellent dose-response relationship between a reduction of levels of H3K14ac.

Treatment of cells with WM-3835 phenocopied the molecular and cellular effects of genetic depletion of HBO1 by inducing apoptosis, a G0/G1 cell-cycle arrest, differentiation of human AML cells and transcriptional repression on HOXA9 and HOXA10.

Inhibition of HBO1 phenocopied our genetic data and showed efficacy in a broad range of human cell lines and primary AML cells from patients.

References

Laura MacPherson, et al. **Nature**. 2020 Jan;577(7789):266-270.

Yan-Yang Gao, et al. **Theranostics**. 2021 Mar 4;11(10):4599-4615.

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

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