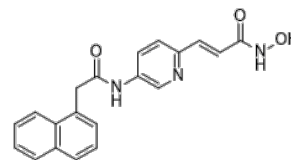


Product Name : MC2590
Cat. No. : PC-27698
CAS No. : 2284460-01-9
Molecular Formula : C₂₀H₁₇N₃O₃
Molecular Weight : 347.37
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

MC2590 is a selective **class I/IIb HDACs** inhibitor with IC₅₀ of 0.098, 0.156, 0.039, 0.015 and 0.047 μ M for HDAC1, 2, 3, 6 and HDAC8 respectively.

MC2590 weakly inhibits other HDAC isoforms HDAC4, HDAC5, HDAC7, HDAC9, HDAC11 with IC₅₀s of 1.35-3.98 μ M.

MC2590 induces cell cycle arrest modulating cell cycle-/apoptosis-related miRNAs expression in U937 cells.

References

Elisabetta Di Bello, et al. *Eur J Med Chem.* 2022 Dec 15;247:115022.

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

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