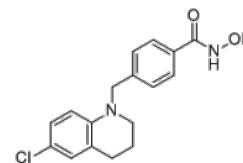


Product Name : SW-100
Cat. No. : PC-35932
CAS No. : 2126744-35-0
Molecular Formula : C₁₇H₁₇ClN₂O₂
Molecular Weight : 316.785
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

SW-100 (SW100) is a potent, selective, brain penetrable **HDAC6** inhibitor with IC₅₀ of 2.3 nM, displays >1,000-fold selectivity over all other class I, II, and IV HDAC isoforms.

SW-100 selectively inhibits HDAC6-CD2 and enhances α -tubulin acetylation in cells with no effect on histone acetylation and selectively restores the impaired acetylated α -tubulin levels in the hippocampus of Fmr1^{-/-} mice.

SW-100 ameliorates several memory and learning impairments in Fmr1^{-/-} mice, thus modeling the intellectual deficiencies associated with Fragile X syndrome (FXS).

References

Kozikowski A, et al. *ACS Chem Neurosci*. 2018 Dec 4. doi: 10.1021/acscchemneuro.8b00600.

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

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