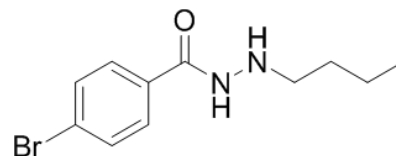


Product Name : UF-010
Cat. No. : PC-45583
CAS No. : 537672-41-6
Molecular Formula : C₁₁H₁₅BrN₂O
Molecular Weight : 271.1536
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

UF-010 is a potent and selective inhibitor of **class I HDACs** with IC₅₀s of 0.5/0.1/0.06/1.5/9.1/15.3/44.5 μM for HDAC1/2/3/8/6/10/11 respectively.

UF-010 shows no effect on HDAC4/5/7/9(>100 μM).

UF-010 induces the accumulation of protein acetylation and inhibits proliferation of NCI-60 panel of cancer cell lines (mean GI₅₀=2.94 μM).

UF-010 is a competitive with a fast-on/slow-off HDAC-binding mechanism.

References

Wang Y, et al. *Chem Biol.* 2015 Feb 19;22(2):273-84.

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

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