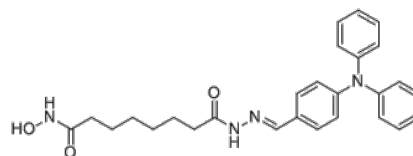


Product Name : WT-161
Cat. No. : PC-70299
CAS No. : 1206731-57-8
Molecular Formula : C₂₇H₃₀N₄O₃
Molecular Weight : 458.55
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

WT-161 (WT161) is a potent, selective, and bioavailable **HDAC6** inhibitor with IC₅₀ 0.4 nM.

WT-161 displays >20-fold selectivity over HDAC1/2/3/8.

WT-161 selectively inhibits HDAC6 and dramatically increases levels of acetylated α -tubulin with little effect on global lysine acetylation in cells.

WT-161 reversibly and rapidly induces the accumulation of Ac- α -tubulin in MM cell lines, displays synergism with both BTZ and CFZ, caspase activation and apoptosis.

WT-161 demonstrates a significant antitumor effect in human MM cell xenograft mouse model combined with BTZ.

References

Hideshima T, et al. *Proc Natl Acad Sci U S A*. 2016 Nov 15;113(46):13162-13167.

Hideshima T, et al. *Oncotarget*. 2017 Jul 5. doi: 10.18632/oncotarget.19019.

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

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