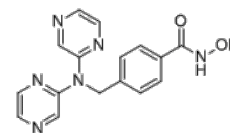


Product Name : KA2507
Cat. No. : PC-72342
CAS No. : 1636894-46-6
Molecular Formula : C₁₆H₁₄N₆O₂
Molecular Weight : 322.328
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

KA2507 (KA-2507, KA 2507) is a potent and selective inhibitor of **HDAC6** with IC₅₀ of 2.5 nM, >300-fold selectivity over other HDACs.

KA2507 demonstrated cellular potency (IC₅₀=150 nM) in a cellular assay measuring induction of acetylated α-tubulin, a marker of HDAC6 inhibition.

KA2507 displays antiproliferative effects against a set of 93 human cancer cells with IC₅₀ of 2-30 μM.

KA2507 inhibits tumor growth in the syngeneic B16-F10 mouse melanoma model.

References

Apostolia M Tsimberidou, et al. *Clin Cancer Res*. 2021 Jul 1;27(13):3584-3594.

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

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