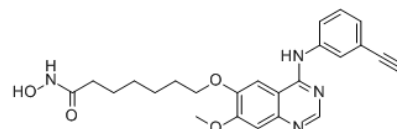


Product Name : CUDC-101
Cat. No. : PC-42467
CAS No. : 1012054-59-9
Molecular Formula : C₂₄H₂₆N₄O₄
Molecular Weight : 434.4876
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

CUDC-101 is a potent, multi-targeted **HDAC**, **EGFR** and **HER2** inhibitor with IC₅₀ of 4.4, 2.4, and 15.7 nM, respectively. CUDC-101 exhibits efficient antiproliferative activity with greater potency (IC₅₀<1 μM) than Vorinostat (SAHA), Erlotinib, Lapatinib.

CUDC-101 promotes tumor regression or inhibition in various cancer xenograft models including NSCLC, liver, breast, head and neck, colon, and pancreatic cancers.

References

- Cai X, et al. *J Med Chem.* 2010 Mar 11;53(5):2000-9.
Lai CJ, et al. *Cancer Res.* 2010 May 1;70(9):3647-56.
Wang J, et al. *Mol Cancer Ther.* 2013 Jun;12(6):925-36.

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

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