

Product Name	: CUDC-101
Synonyms	: CUDC101;CUDC 101
Cat No.	: M10074
CAS Number	: 1012054-59-9
Molecular Formula	: C ₂₄ H ₂₆ N ₄ O ₄
Formula Weight	: 434.49
Chemical Name	: Heptanamide, 7-[[4-[(3-ethynylphenyl)amino]-7-methoxy-6-quinazolinyloxy]-N-hydroxy-
Description	: A potent, multi-targeted HDAC, EGFR and HER2 inhibitor with IC ₅₀ of 4.4, 2.4, and 15.7 nM, respectively; Exhibits efficient antiproliferative activity with greater potency (IC ₅₀ <1 uM) than Vorinostat (SAHA), Erlotinib, Lapatinib; Promotes tumor regression or inhibition in various cancer xenograft models including NSCLC, liver, breast, head and neck, colon, and pancreatic cancers. Solid TumorsPhase 1 Discontinued
Pathway	: Cell Cycle/DNA Damage
Target	: HDAC
Receptor	: EGFR;HDAC;HDAC1;HDAC10;HDAC2;HDAC3;HDAC4;HDAC5;HDAC6;HDAC7;HDAC8;HDAC9;HER2
Solubility	: 10 mM in DMSO
SMILES	: <chem>O=C(N)CCCCCOC1=CC2=C(NC3=CC=CC(C#C)=C3)N=CN=C2C=C1OC</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Cai X, et al. J Med Chem. 2010 Mar 11;53(5):2000-9.| 2. Lai CJ, et al. Cancer Res. 2010 May 1;70(9):3647-56.| 3. Wang J, et al. Mol Cancer Ther. 2013 Jun;12(6):925-36.