

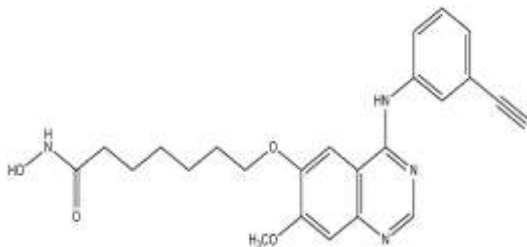
## CUDC-101

**ALTERNATE NAME:** 7-((4-((3-ethynylphenyl)amino)-7-methoxyquinazolin-6-yl)oxy)-N-hydroxyheptanamide

**CATALOG #:** 1966-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>24</sub>H<sub>26</sub>N<sub>4</sub>O<sub>4</sub>

**MOLECULAR WEIGHT:** 434.49

**CAS NUMBER:** 1012054-59-9

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20°C

**DESCRIPTION:** A potent multitargeted inhibitor of histone deacetylase (HDAC) and the receptor kinases epidermal growth factor receptor (EGFR) and human epidermal growth factor receptor 2 (HER2), with IC<sub>50</sub> values of 4.4, 2.4, and 15.7 nM, respectively. Displays potent antiproliferative and proapoptotic activities against cultured and implanted tumor cells that are sensitive or resistant to several approved single-targeted drugs.

**REFERENCE:** Lai, C.-J., *et al.* (2010). *Cancer Res.* **70**, 3647-3656; Cai, X., *et al.* (2010). *J. Med. Chem.* **53**, 2000-2009.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

- A 83-01 (Cat. No. 1725-1)
- ABT-869 (Cat. No. 1615-1,5)
- Axitinib (Cat. No. 1581-5, 25)
- BIBW2992 (Cat. No. 1616-1,5)
- BMS-599626 (Cat. No. 1614-1,5)
- Bosutinib (Cat. No. 1584-5, 25)
- Canertinib (Cat. No. 1617-5)
- Carbozantinib (Cat. No. 1935-5, 25)
- Cediranib (Cat. No. 1613-1,5)
- CP-690550 (Cat. No. 1622-5,25)
- Crizotinib (Cat. No. 1934-5, 25)
- Dasatinib (Cat. No. 1586-25, 100)
- Emodin (Cat. No. 1875-25, 100)
- Enzastaurin (LY317615)(Cat. No. 1619-1,5)
- Erlotinib, Hydrochloride Salt (Cat. No. 1588-100,1000)
- EZSolution™ Staurosporine (Cat. No. 1745-01)
- Fostamatinib disodium (Cat. No. 1936-1, 5)
- Gefitinib (Cat. No. 1589-5,25)
- Genistein (Cat. No. 1533-10, 100)
- Go 6976 (Cat. No. 1711-500)
- Imatinib Mesylate (Cat. No. 1625-100, 1000)
- Lapatinib Ditosylate (Cat. No. 1624-25,100)
- Nilotinib (Cat. No. 1750-25, 100)
- PD 153035, Hydrochloride (Cat. No. 1656-2)
- PD173074 (Cat. No. 1675-1)
- SAHA (Cat. No. 1604-1)
- Saracatinib (Cat. No. 1582-5, 25)
- SB-431542 (Cat. No. 1674-1)
- Sorafenib (Cat. No. 1594-5, 25)
- Staurosporine (Cat. No. 1048-01,1)
- SU 1498 (Cat. No. 1836-1,5)
- SU-5402 (Cat. No. 1645-05)
- SU 6668 (Cat. No. 1931-5, 25)
- SU 11274 (Cat. No. 1938-5, 25)
- Sunitinib Malate (Cat. No. 1611-100, 1000)
- Tamoxifen Citrate (Cat. No. 1551-1000)
- Trichostatin A (Cat. No. 1606-1)
- Tubastatin A (Cat. No. 1724-1)
- Tyrphostin AG 1295 (Cat. No. 1571-5)
- Tyrphostin AG 490 (Cat. No. 1570-5)
- Vandetanib (Cat. No. 1751-25, 100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**