

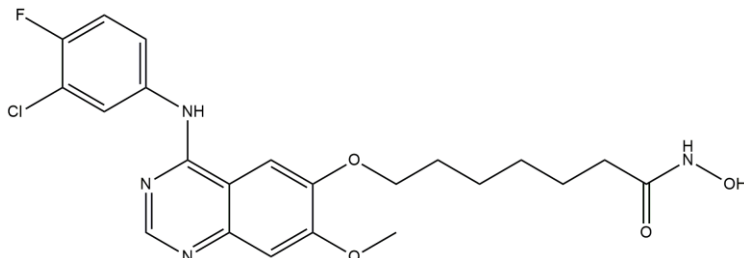
HDAC, EGFR & HER2 inhibitor

10/19

ALTERNATE NAMES: 7-[4-(3-Chloro-4-fluoro-phenylamino)-7-methoxy-quinazolin-6-yloxy]-heptanoic acid hydroxyamide; 7-((4-((3-chloro-4-fluorophenyl)amino)-7-methoxyquinazolin-6-yl)oxy)-N-hydroxyheptanamide

CATALOG #: B2933-5 5 mg
B2933-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₂H₂₄ClFN₄O₄

MOLECULAR WEIGHT: 462.9

CAS NUMBER: 1012054-55-5

APPEARANCE: Solid

PURITY: 95%

SOLUBILITY: Soluble in DMSO

DESCRIPTION: HDAC, EGFR, and HER2 Inhibitor is a multitargeted inhibitor of histone deacetylase (HDAC), epidermal growth factor receptor (EGFR) and human epidermal growth factor receptor 2 (HER2) with IC₅₀ values of 6.5 nM, 3.1 nM and 19 nM respectively. It inhibits the growth of different cell lines such as HCC827, H358, H460 with IC₅₀ values of 0.93 μM, 0.71 μM, 0.90 μM respectively.

STORAGE TEMPERATURE: -20°C

REFERENCE: Cai, X., Zhai, H., X., Wang, J. et al. Discovery of 7-(4-(3-ethynylphenylamino)-7-methoxyquinazolin-6-yloxy)-N-hydroxyheptanamide (CUDc-101) as a potent multi-acting HDAC, EGFR, and HER2 inhibitor for the treatment of cancer. J Med Chem. 53(5):2000-9 (2010).

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

RELATED PRODUCTS:

4-Iodo-SAHA (Cat. No. B2800)
 Valproic Acid, Sodium Salt (Cat. No. 1647)
 CUDC-101 (Cat. No. 1966)
 Pozotinib (Cat. No. 9519)
 EZSolution™ AZD-9291 (Osimertinib) (Cat. No. B2490)

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