

Catalog	Unit
TBI2491-5MG	5 mg
TBI2491-25MG	25 mg

Product Details

Formal Name: 7-((4-((3-Ethynylphenyl)amino)-7-methoxyquinazolin-6-yl)oxy)-N-hydroxyheptanamide

Molecular Formula: C₂₄H₂₆N₄O₄

Formula Weight: 434.49

CAS Number: 1012054-59-9

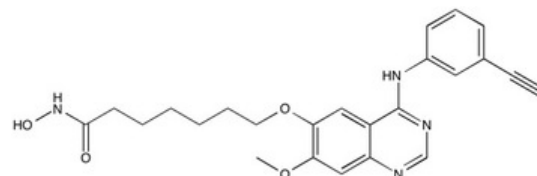
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Dual HDAC and EGFR inhibitor

Functions

A novel hybrid dual-acting HDAC and receptor tyrosine kinase inhibitor. It is a potent HDAC inhibitor which also inhibits EGFR and HER2, IC₅₀ = 4.4, 2.4 and 15.7 nM respectively. It not only blocks EGFR and HER2 but also attenuates multiple compensatory pathways such as AKT, HER3 and MET which enable tumor cells to escape the effects of conventional EGFR/HER2 inhibitors.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.