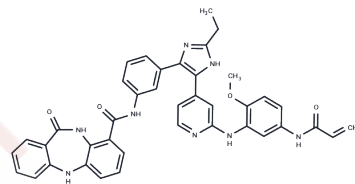


EGFR kinase inhibitor 4

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 2922402-05-7 |
| Formula: | C ₄₀ H ₃₄ N ₈ O ₄ |
| Molecular Weight: | 690.75 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|----------------------------|--|
| Description | EGFR Kinase Inhibitor 4 (Compound 4) acts as a bivalent ATP-allosteric inhibitor targeting EGFR, with a potent inhibitory effect (IC ₅₀ : 1.8 nM) on mutant EGFR (LRTMCS). It is primarily utilized in the study of non-small cell lung cancer (NSCLC) [1]. |
| Targets(IC ₅₀) | EGFR |
| In vitro | EGFR kinase inhibitor 4 (0-10 μM, 6 hours) reduces LRTM phosphorylation (pY1068) and downstream pERK and pAKT in human NSCLC cell lines (H1975, H3255, HCC827 cells) [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 1.4477 mL | 7.2385 mL | 14.477 mL |
| 5 mM | 0.2895 mL | 1.4477 mL | 2.8954 mL |
| 10 mM | 0.1448 mL | 0.7239 mL | 1.4477 mL |
| 50 mM | 0.029 mL | 0.1448 mL | 0.2895 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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