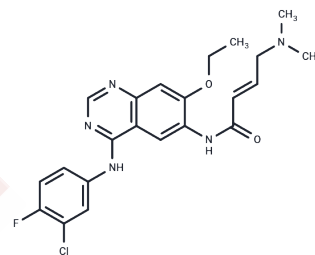


## Neptinib

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 2085843-51-0  |
| Formula:          | C <sub>22</sub> H <sub>23</sub> ClFN <sub>5</sub> O <sub>2</sub>  |
| Molecular Weight: | 443.90  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|                            |  |
|----------------------------|--|
| Description                | Neptinib (NEP010), a derivative of Afatinib, exhibits enhanced antitumor properties and improved pharmacokinetics when administered orally. It demonstrates a notable suppression of tumor expansion in mouse models of non-small cell lung cancer harboring various EGFR mutations. Furthermore, Neptinib effectively inhibits the EGFR kinase family, exhibiting IC <sub>50</sub> values of 0.24 nM for EGFR wt, 7.25 nM for EGFR L858R/T790M, 0.46 nM for EGFR L858R, and 1.79 nM for EGFR T790M. |
| Targets(IC <sub>50</sub> ) | EGFR   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.2528 mL | 11.2638 mL | 22.5276 mL |
| 5 mM  | 0.4506 mL | 2.2528 mL  | 4.5055 mL  |
| 10 mM | 0.2253 mL | 1.1264 mL  | 2.2528 mL  |
| 50 mM | 0.0451 mL | 0.2253 mL  | 0.4506 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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