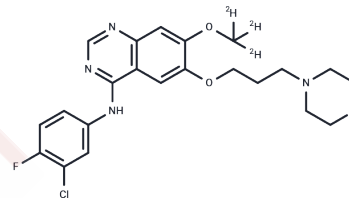


## Gefitinib-D3

## Chemical Properties

CAS No. : 1173976-40-3  
 Formula: C<sub>22</sub>H<sub>24</sub>ClFN<sub>4</sub>O<sub>3</sub>  
 Molecular Weight: 449.92  
 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	Gefitinib-D3 is the deuterated form of Gefitinib. Gefitinib (T1181) (ZD1839) is a potent, selective, and orally active EGFR tyrosine kinase inhibitor with an IC <sub>50</sub> of 33 nM. It selectively inhibits EGF-stimulated tumor cell growth (IC <sub>50</sub> of 54 nM) and blocks EGFR autophosphorylation in EGF-stimulated tumor cells. Additionally, Gefitinib (T1181) can induce autophagy (autophagy) and exhibits antitumor activity.
Targets(IC50)	EGFR, Autophagy

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2226 mL	11.1131 mL	22.2262 mL
5 mM	0.4445 mL	2.2226 mL	4.4452 mL
10 mM	0.2223 mL	1.1113 mL	2.2226 mL
50 mM	0.0445 mL	0.2223 mL	0.4445 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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