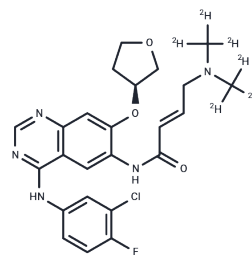


## Afatinib-D6

## Chemical Properties

CAS No. :	1313874-96-2
Formula:	C <sub>24</sub> H <sub>25</sub> ClFN <sub>5</sub> O <sub>3</sub>
Molecular Weight:	491.98
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	Afatinib-D6 is a deuterium-labeled Afatinib. Afatinib (T21312) is an irreversible EGFR family inhibitor.
Targets(IC50)	EGFR, Autophagy

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0326 mL	10.163 mL	20.326 mL
5 mM	0.4065 mL	2.0326 mL	4.0652 mL
10 mM	0.2033 mL	1.0163 mL	2.0326 mL
50 mM	0.0407 mL	0.2033 mL	0.4065 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.

## Reference

Li D, et al. BIBW2992, an irreversible EGFR/HER2 inhibitor highly effective in preclinical lung cancer models. *Oncogene*. 2008 Aug 7;27(34):4702-11.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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