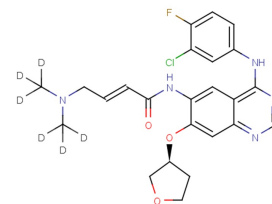


Afatinib D6

Chemical Properties

CAS No.:	1313874-96-2
Formula:	C ₂₄ H ₁₉ D ₆ ClFN ₅ O ₃
Molecular Weight:	491.98
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Afatinib D6 (BIBW 2992 D6) is a deuterium-labeled Afatinib. Afatinib is an irreversible EGFR family inhibitor.
Targets(IC ₅₀)	EGFR: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.033 mL	10.163 mL	20.326 mL
5 mM	0.407 mL	2.033 mL	4.065 mL
10 mM	0.203 mL	1.016 mL	2.033 mL
50 mM	0.041 mL	0.203 mL	0.407 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

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.

Inhibitors · Natural Compounds · Compound Libraries

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