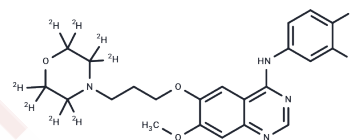


Gefitinib-D8

Chemical Properties

CAS No. :	857091-32-8
Formula:	C ₂₂ H ₂₄ ClFN ₄ O ₃
Molecular Weight:	454.95
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 (T1181) is an EGFR tyrosine kinase inhibitor, with IC ₅₀ of 2-37 nM in NR6wtEGFR cells. Gefitinib-D8 is a deuterium labeled Gefitinib.
Targets(IC ₅₀)	EGFR, Autophagy

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.198 mL	10.9902 mL	21.9804 mL
5 mM	0.4396 mL	2.198 mL	4.3961 mL
10 mM	0.2198 mL	1.099 mL	2.198 mL
50 mM	0.044 mL	0.2198 mL	0.4396 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

Pedersen MW, et al. Differential response to gefitinib of cells expressing normal EGFR and the mutant EGFRVIII. Br J Cancer. 2005 Oct 17;93(8):915-23.

Moasser MM, et al. The tyrosine kinase inhibitor ZD1839 ("Iressa") inhibits HER2-driven signaling and suppresses the growth of HER2-overexpressing tumor cells. Cancer Res. 2001 Oct 1;61(19):7184-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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