

O-Desmethyl gefitinib D8

Chemical Properties

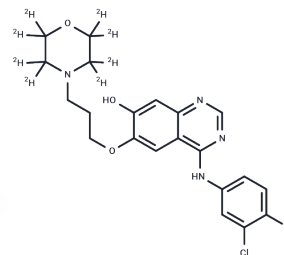
CAS No. :

Formula: C₂₁H₁₄D₈ClFN₄O₃

Molecular Weight: 440.93

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	O-Desmethyl gefitinib-D8 is a deuterium labeled O-Desmethyl gefitinib (T16369) that is an active metabolite of Gefitinib in human plasma.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2679 mL	11.3397 mL	22.6793 mL
5 mM	0.4536 mL	2.2679 mL	4.5359 mL
10 mM	0.2268 mL	1.134 mL	2.2679 mL
50 mM	0.0454 mL	0.2268 mL	0.4536 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

Kobayashi H, et al. Effects of polymorphisms in CYP2D6 and ABC transporters and side effects induced by gefitinib on the pharmacokinetics of the gefitinib metabolite, O-desmethyl gefitinib. *Med Oncol.* 2016 Jun;33(6):57.

McKillop D, et al. Minimal contribution of desmethyl-gefitinib, the major human plasma metabolite of gefitinib, to epidermal growth factor receptor (EGFR)-mediated tumour growth inhibition. *Xenobiotica.* 2006 Jan;36(1):29-39.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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