

N-desmethyl Imatinib-D4

Chemical Properties

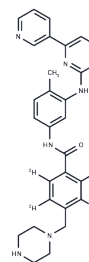
CAS No. :

Formula: C₂₈H₂₅D₄N₇O

Molecular Weight: 483.6

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

N-desmethyl Imatinib-D4 is a deuterated compound of N-desmethyl Imatinib. N-desmethyl Imatinib (T11641) has a CAS number of 404844-02-6. N-Desmethyl imatinib is a metabolite of Imatinib, which is a multi-target inhibitor of c-Kit, v-Abl, and PDGFR.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0678 mL	10.3391 mL	20.6782 mL
5 mM	0.4136 mL	2.0678 mL	4.1356 mL
10 mM	0.2068 mL	1.0339 mL	2.0678 mL
50 mM	0.0414 mL	0.2068 mL	0.4136 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

1. Darweesh RS, et al. The effect of grape seed and green tea extracts on the pharmacokinetics of imatinib and its main metabolite, N-desmethyl imatinib, in rats. BMC Pharmacol Toxicol. 2020 Nov 16;21(1):77.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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