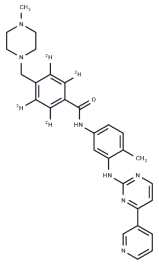
Data Sheet (Cat.No.T11639)

TargetMol

Imatinib-D4

Chemical Properties



CAS No. : 1134803-16-9

Formula: C29H31N7O

Molecular Weight: 497.63

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	Imatinib-D4 is a deuterium-labeled Imatinib. Imatinib (T6230) is an orally bioavailable tyrosine kinases inhibitor that selectively inhibits BCR/ABL, PDGFR, v-Abl, and c-kit kinase activity.
Targets(IC50)	Bcr-Abl,Autophagy,c-Kit,PDGFR,SARS-CoV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0095 mL	10.0476 mL	20.0953 mL
5 mM	0.4019 mL	2.0095 mL	4.0191 mL
10 mM	0.201 mL	1.0048 mL	2.0095 mL
50 mM	0.0402 mL	0.201 mL	0.4019 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

Heinrich MC, et al. Inhibition of c-kit receptor tyrosine kinase activity by STI 571, a selective tyrosine kinase inhibitor. Blood. 2000 Aug 1;96(3):925-32.

Guida T, et al. Sorafenib inhibits imatinib-resistant KIT and platelet-derived growth factor receptor beta gatekeeper mutants. Clin Cancer Res. 2007 Jun 1;13(11):3363-9.

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