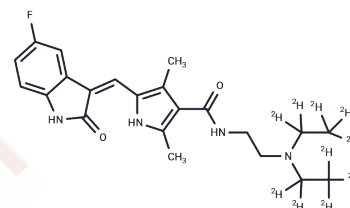


Sunitinib-D10

Chemical Properties

CAS No. :	1126721-82-1
Formula:	C ₂₂ H ₂₇ N ₄ O ₂
Molecular Weight:	408.54
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	Sunitinib-D10 is a deuterium labeled Sunitinib. Sunitinib (T0374L) is a inhibitor of multi-targeted receptor tyrosine kinase (IC ₅₀ s of 80 nM and 2 nM for VEGFR2 and PDGFRβ, respectively).
Targets(IC ₅₀)	Apoptosis,Mitophagy,Autophagy,IRE1,PDGFR,VEGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4477 mL	12.2387 mL	24.4774 mL
5 mM	0.4895 mL	2.4477 mL	4.8955 mL
10 mM	0.2448 mL	1.2239 mL	2.4477 mL
50 mM	0.049 mL	0.2448 mL	0.4895 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

- Sun L, et al. Discovery of 5-[5-fluoro-2-oxo-1,2-dihydroindol-(3Z)-ylidenemethyl]-2,4-dimethyl-1H-pyrrole-3-carboxylic acid (2-diethylaminoethyl)amide, a novel tyrosine kinase inhibitor targeting vascular endothelial and platelet-derived growth factor receptor tyrosine kinase. *J Med Chem.* 2003 Mar 27;46(7):1116-9.
- Ali MM, et al. Structure of the Ire1 autophosphorylation complex and implications for the unfolded protein response. *EMBO J.* 2011 Mar 2;30(5):894-905.

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