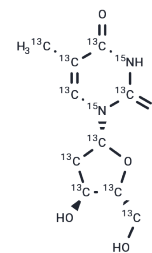


Thymidine-13C10,15N2

Chemical Properties

CAS No. :	1821188-00-4
Formula:	C10H14N2O5
Molecular Weight:	254.14
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	Thymidine-13C10,15N2 is Thymidine (TWP2911) labeled with 13C and 15N. It serves as a specific precursor for deoxyribonucleic acid, utilized as a cell synchronizing agent. Additionally, Thymidine (TWP2911) acts as a DNA synthesis inhibitor, halting cells at the G1/S boundary prior to DNA replication.
Targets(IC50)	Endogenous Metabolite,DNA/RNA Synthesis,Virus Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9348 mL	19.6742 mL	39.3484 mL
5 mM	0.787 mL	3.9348 mL	7.8697 mL
10 mM	0.3935 mL	1.9674 mL	3.9348 mL
50 mM	0.0787 mL	0.3935 mL	0.787 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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