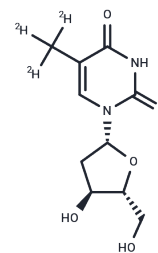


Thymidine-D3

Chemical Properties

CAS No. :	74848-84-3
Formula:	C10H14N2O5
Molecular Weight:	245.25
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-D3 is the deuterated form of Thymidine. It is a specific precursor of deoxyribonucleic acid (DNA) and functions as a cell synchronizing agent. Thymidine (TWP2911) acts as a DNA synthesis inhibitor, blocking cells at the G1/S boundary before DNA replication.
Targets(IC50)	Endogenous Metabolite,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0775 mL	20.3874 mL	40.7747 mL
5 mM	0.8155 mL	4.0775 mL	8.1549 mL
10 mM	0.4077 mL	2.0387 mL	4.0775 mL
50 mM	0.0815 mL	0.4077 mL	0.8155 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481