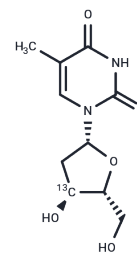


Thymidine-13C

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 478511-06-7 |
| Formula: | C10H14N2O5 |
| Molecular Weight: | 243.22 |
| 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-13C is a form of Thymidine (TWP2911) labeled with carbon-13 (13C). Thymidine (TWP2911) serves as a specific precursor for deoxyribonucleic acid (DNA) and is utilized as a cell synchronizing agent. It functions as an inhibitor of DNA synthesis, capable of arresting cells at the G1/S boundary before DNA replication. |
| Targets(IC50) | Endogenous Metabolite, DNA/RNA Synthesis, Virus Protease |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|-----------|
| 1 mM | 4.1115 mL | 20.5575 mL | 41.115 mL |
| 5 mM | 0.8223 mL | 4.1115 mL | 8.223 mL |
| 10 mM | 0.4112 mL | 2.0558 mL | 4.1115 mL |
| 50 mM | 0.0822 mL | 0.4112 mL | 0.8223 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

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