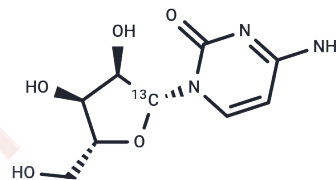


## Cytidine-13C

## Chemical Properties

CAS No. :	201996-57-8
Formula:	C <sub>9</sub> H <sub>13</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight:	244.21
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	Cytidine-13C is the 13C-labeled version of Cytidine, a pyrimidine nucleoside integral to RNA structure. It acts as a precursor to uridine. Cytidine (T1591L) regulates the astrocytic glutamate cycle, affects brain phospholipid metabolism, influences catecholamine synthesis, and has a role in mitochondrial function.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0948 mL	20.4742 mL	40.9484 mL
5 mM	0.819 mL	4.0948 mL	8.1897 mL
10 mM	0.4095 mL	2.0474 mL	4.0948 mL
50 mM	0.0819 mL	0.4095 mL	0.819 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