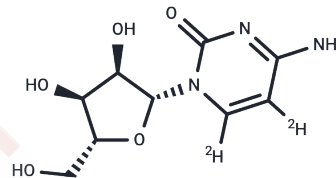


Cytidine-D2

Chemical Properties

CAS No. :	40632-25-5
Formula:	C ₉ H ₁₃ N ₃ O ₅
Molecular Weight:	245.23
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-D2 is a deuterated form of Cytidine. As a pyrimidine nucleoside, Cytidine (T1591L) is a component of RNA and a precursor to Uridine. It plays a role in regulating the glial glutamate cycle, affects brain phospholipid metabolism, contributes to catecholamine synthesis, and influences mitochondrial function.
Targets(IC50)	Nucleoside Antimetabolite/Analog, Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0778 mL	20.389 mL	40.778 mL
5 mM	0.8156 mL	4.0778 mL	8.1556 mL
10 mM	0.4078 mL	2.0389 mL	4.0778 mL
50 mM	0.0816 mL	0.4078 mL	0.8156 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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