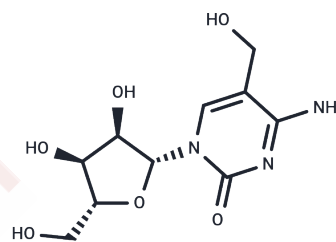


5-Hydroxymethyl cytidine

Chemical Properties

CAS No. :	19235-17-7
Formula:	C10H15N3O6
Molecular Weight:	273.24
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	5-Hydroxymethyl cytidine (5-hmC) is a modified pyrimidine nucleoside and a key intermediate in the demethylation of DNA 5-methylcytosine (5-mC). Generated by the oxidation of 5-mC by TET family enzymes, it plays a crucial role in epigenetic regulation, gene expression, and stem cell differentiation.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 16 mg/mL (58.56 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6598 mL	18.2989 mL	36.5979 mL
5 mM	0.732 mL	3.6598 mL	7.3196 mL
10 mM	0.366 mL	1.8299 mL	3.6598 mL
50 mM	0.0732 mL	0.366 mL	0.732 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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