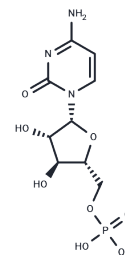


## Cytarabine 5'-monophosphate

## Chemical Properties

CAS No. :	7075-11-8
Formula:	C <sub>9</sub> H <sub>14</sub> N <sub>3</sub> O <sub>8</sub> P
Molecular Weight:	323.198
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	Cytarabine 5'-monophosphate (ara-CMP), an active metabolite of the nucleoside analog cytarabine formed by deoxycytidine kinase, is incorporated into DNA by DNA polymerase $\alpha$ , significantly slowing DNA synthesis. It inhibits nuclear and mitochondrial DNA replication in <i>S. cerevisiae</i> at 15 mM and improves survival in an L1210 murine leukemia model at 3.5-75.1 mg/kg.
Targets(IC50)	Others,DNA/RNA Synthesis,Drug Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0941 mL	15.4703 mL	30.9406 mL
5 mM	0.6188 mL	3.0941 mL	6.1881 mL
10 mM	0.3094 mL	1.547 mL	3.0941 mL
50 mM	0.0619 mL	0.3094 mL	0.6188 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481