

## 5-Fluorouridine 5'-phosphate

## Chemical Properties

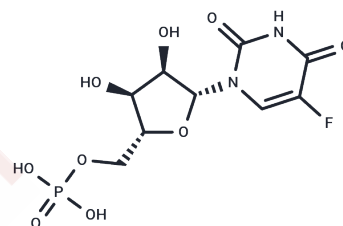
CAS No. : 796-66-7

Formula: C<sub>9</sub>H<sub>12</sub>FN<sub>2</sub>O<sub>9</sub>P

Molecular Weight: 342.172

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	5-Fluorouridine 5'-phosphate acts as an ODCase (uridine 5'-monophosphate decarboxylase) inhibitor, exhibiting a $K_i$ value of 98 $\mu$ M for human ODCase and 645 $\mu$ M for <i>Methanococcus jannaschii</i> ODCase. This compound also shows inhibitory activity on leukemia and lymphoma cell lines, making it useful for cancer research studies.
Targets(IC50)	DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9225 mL	14.6126 mL	29.2252 mL
5 mM	0.5845 mL	2.9225 mL	5.845 mL
10 mM	0.2923 mL	1.4613 mL	2.9225 mL
50 mM	0.0585 mL	0.2923 mL	0.5845 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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