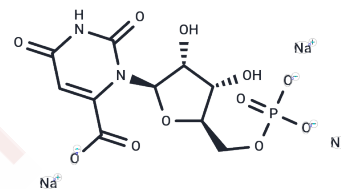


Orotidine 5'-monophosphate trisodium

Chemical Properties

CAS No. : 68244-58-6
 Formula: C₁₀H₁₀N₂Na₃O₁₁P
 Molecular Weight: 434.14
 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	Orotidine 5'-monophosphate trisodium, a pyrimidine nucleotide, is synthesized through the de novo DNA synthesis pathway by various microorganisms, including <i>M. tuberculosis</i> , <i>S. cerevisiae</i> , <i>S. typhimurium</i> , and <i>P. falciparum</i> . The compound's production involves orotate phosphoribosyltransferase (OPRT)-catalyzed reactions using phosphoribosyl pyrophosphate (PRPP) and orotic acid (OA) as substrates [1].
Targets(IC50)	Others,Endogenous Metabolite,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3034 mL	11.517 mL	23.034 mL
5 mM	0.4607 mL	2.3034 mL	4.6068 mL
10 mM	0.2303 mL	1.1517 mL	2.3034 mL
50 mM	0.0461 mL	0.2303 mL	0.4607 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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