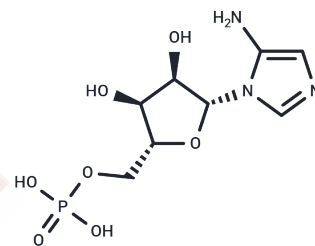


5-Aminoimidazole ribonucleotide

Chemical Properties

CAS No. :	25635-88-5
Formula:	C ₈ H ₁₄ N ₃ O ₇ P
Molecular Weight:	295.19
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-Aminoimidazole ribonucleotide (AIR) serves as an intermediate in purine biosynthesis, undergoing enzymatic modifications to form inosine monophosphate (IMP), which is subsequently converted into the purine bases adenine (A) and guanine (G) [1].
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3876 mL	16.9382 mL	33.8765 mL
5 mM	0.6775 mL	3.3876 mL	6.7753 mL
10 mM	0.3388 mL	1.6938 mL	3.3876 mL
50 mM	0.0678 mL	0.3388 mL	0.6775 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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