

Adenosine monophosphate (Standard)

Chemical Properties

CAS No. :	61-19-8
Formula:	C ₁₀ H ₁₄ N ₅ O ₇ P
Molecular Weight:	347.22
Storage:	Keep away from direct sunlight 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	Adenosine monophosphate (Standard) is a reference standard of adenosine monophosphate, suitable for quantitative analysis, quality control, and biochemical studies. Adenosine monophosphate (AMP) is an important intracellular nucleotide metabolite that plays a central role in energy metabolism, particularly by regulating the AMP-activated protein kinase (AMPK) signaling pathway involved in cellular energy sensing and homeostasis.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.880 mL	14.4001 mL	28.8002 mL
5 mM	0.576 mL	2.880 mL	5.760 mL
10 mM	0.288 mL	1.440 mL	2.880 mL
50 mM	0.0576 mL	0.288 mL	0.576 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.

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