

Adenosine 5'-diphosphoribose

Chemical Properties

CAS No. : 20762-30-5

Formula: C₁₅H₂₃N₅O₁₄P₂

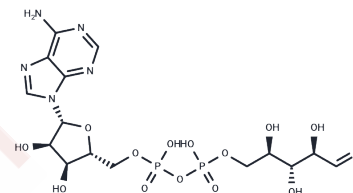
Molecular Weight: 559.32

Keep away from direct sunlight, Store at low temperature

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	Adenosine 5'-diphosphoribose (ADP ribose), formed from adenosine monophosphate (AMP) and ribose via phosphoribosyl pyrophosphate, is a multifunctional modifier of proteins and nucleic acids, playing crucial roles in diverse cellular processes.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 140 mg/mL (250.3 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7879 mL	8.9394 mL	17.8789 mL
5 mM	0.3576 mL	1.7879 mL	3.5758 mL
10 mM	0.1788 mL	0.8939 mL	1.7879 mL
50 mM	0.0358 mL	0.1788 mL	0.3576 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.

Reference

Gibson BA, et al., New insights into the molecular and cellular functions of poly(ADP-ribose) and PARPs. Nat Rev Mol Cell Biol. 2012 Jun 20;13(7):411-24.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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