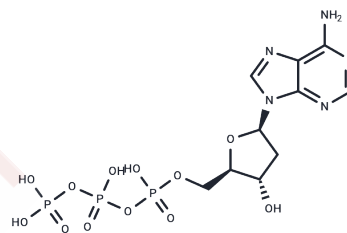


2'-Deoxyadenosine-5'-triphosphate

Chemical Properties

CAS No. :	1927-31-7
Formula:	C ₁₀ H ₁₆ N ₅ O ₁₂ P ₃
Molecular Weight:	491.18
Storage:	Store at low temperature 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	2'-Deoxyadenosine-5'-triphosphate (Deoxyadenosine 5-triphosphate) (dATP) is a naturally occurring small molecule nucleotide used in cells for DNA synthesis or replication. 2'-Deoxyadenosine-5'-triphosphate (dATP) is a substrate for DNA polymerase. 2'-Deoxyadenosine-5'-triphosphate (dATP) is an inhibitor of RNA through an inactive alpha4beta4 quaternary structure. Deoxyadenosine-5'-triphosphate inhibits RNA through the inactive alpha4beta4 quaternary structure. 2'-Deoxyadenosine-5'-triphosphate has been associated with cardiomyocyte growth.
Targets(IC50)	Endogenous Metabolite,DNA/RNA Synthesis

Solubility Information

Solubility	H ₂ O: ≥ 50 mg/mL, 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	2.0359 mL	10.1796 mL	20.3591 mL
5 mM	0.4072 mL	2.0359 mL	4.0718 mL
10 mM	0.2036 mL	1.018 mL	2.0359 mL
50 mM	0.0407 mL	0.2036 mL	0.4072 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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