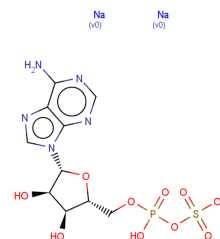


Adenosine 5'-phosphosulfate (sodium salt)

Chemical Properties

CAS No. :	102029-95-8
Formula:	C ₁₀ H ₁₄ N ₅ Na ₂ O ₁₀ PS
Molecular Weight:	473.26
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Adenosine 5'-phosphosulfate is an ATP and sulfate competitive inhibitor of ATP sulfurylase in humans, <i>S. cerevisiae</i> , and <i>P. chrysogenum</i> ($K_i = 18, 2500$, and 1500 nM, respectively). Adenosine 5'-phosphosulfate also inhibits human adenosine 5'-phosphosulfate kinase ($K_i = 47.5$ μ M) to prevent sulfation.
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Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.113 mL	10.565 mL	21.130 mL
5 mM	0.4226 mL	2.113 mL	4.226 mL
10 mM	0.2113 mL	1.0565 mL	2.113 mL
50 mM	0.0423 mL	0.2113 mL	0.4226 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.

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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