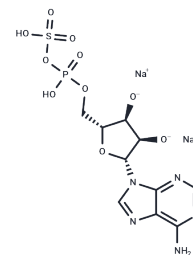


## Adenosine 5'-phosphosulfate (sodium salt)

## Chemical Properties

CAS No. :	102029-95-8
Formula:	C10H12N5Na2O10PS
Molecular Weight:	471.24
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	Adenosine 5'-phosphosulfate (sodium salt) (APS) is a key intermediate in sulphur metabolism and a substrate for adenosine 5'-phosphosulfate kinase (APSK), which metabolises it into the high-energy sulphide donor PAPS (3'-phosphoadenosine-5'-phosphosulfate).
Targets(IC50)	Others,Endogenous Metabolite

## Solubility Information

Solubility	PBS (pH 7.2): 5 mg/mL (10.61 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	2.1221 mL	10.6103 mL	21.2206 mL
5 mM	0.4244 mL	2.1221 mL	4.2441 mL
10 mM	0.2122 mL	1.061 mL	2.1221 mL
50 mM	0.0424 mL	0.2122 mL	0.4244 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

Kowalska J, et al. Synthesis of nucleoside phosphosulfates. Bioorg Med Chem Lett. 2012 Jun 1;22(11):3661-4.

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