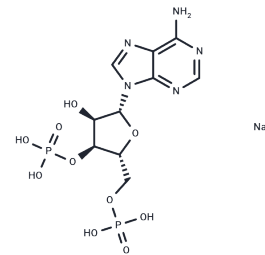


## Adenosine 3',5'-diphosphate sodium salt

## Chemical Properties

CAS No. :	75431-54-8
Formula:	C <sub>10</sub> H <sub>15</sub> N <sub>5</sub> NaO <sub>10</sub> P <sub>2</sub>
Molecular Weight:	450.19
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Adenosine 3',5'-diphosphate sodium salt is an inhibitor of hydroxysteroid sulfotransferases, which are adenine nucleotides containing a phosphate group at the 3' and 5' positions of the pentose ribose. Adenosine 3',5'-diphosphate (sodium salt) is the product of 3'-phosphoadenosine 5'-phosphosulfonate (PAPS), a cofactor of sulfotransferases (SULTs). diphosphate disodium is the product of 3'-phosphoadenosine 5'-phosphosulfonate (PAPS), a cofactor for sulfotransferases (SULTs), which has been used to study the kinetic properties and structure of SULTs.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL (22.21 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	2.2213 mL	11.1064 mL	22.2128 mL
5 mM	0.4443 mL	2.2213 mL	4.4426 mL
10 mM	0.2221 mL	1.1106 mL	2.2213 mL
50 mM	0.0444 mL	0.2221 mL	0.4443 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

Sheng JJ, et al. Bacterial expression, purification, and characterization of rat hydroxysteroid sulfotransferase STa. Protein Expr Purif. 2001;21(1):235-242.

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