



## Adenosine 5'-diphosphate sodium salt

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CAS No. :	20398-34-9	
Formula:	C10H12N5Na3O10P2	но
Molecular Weight:	493.14	но
Appearance:	no data available	0
Storage:	store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year	่ง พล

<b>Biological Descriptior</b>	
Description	Adenosine 5'-diphosphate sodium salt (ADP sodium salt) is an adenine nucleotide that is phosphorylated into ATP by ATPase. This phosphorylation is a key part of cellular homeostatis as it allows for energy storage and is involved in nucleic acid metabolism. ADP affects platelet activation through its interaction with ADP receptors P2Y1, P2Y12 and P2X1. Upon its conversion to adenosine by ecto-ADPases, platelet activation is inhibited via adenosine receptors.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information	
Solubility	DMSO: 55 mg/mL (111.53 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

## Preparing Stock Solutions

0	1mg	5mg	10mg	
1 mM	2.0278 mL	10.1391 mL	20.2782 mL	
5 mM	0.4056 mL	2.0278 mL	4.0556 mL	
10 mM	0.2028 mL	1.0139 mL	2.0278 mL	
50 mM	0.0406 mL	0.2028 mL	0.4056 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.

## Reference

de Almeida-Pereira, L., Magalhães, C.F., Repossi, M.G. et al. Mol Neurobiol (2017) 54: 5142. https://doi.org/10. 1007/s12035-016-0059-0

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