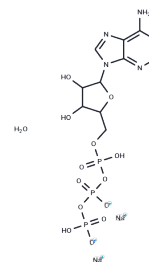


## ATP disodium salt hydrate

## Chemical Properties

CAS No. :	34369-07-8
Formula:	C <sub>10</sub> H <sub>16</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>14</sub> P <sub>3</sub>
Molecular Weight:	569.16
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	ATP disodium salt hydrate (Adenosine disodium triphosphate) is a nucleoside triphosphate used in cells as a coenzyme often called the "molecular unit of currency" of intracellular energy transfer.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: Insoluble, H <sub>2</sub> O: 100 mg/mL (175.7 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	1.757 mL	8.7849 mL	17.5698 mL
5 mM	0.3514 mL	1.757 mL	3.514 mL
10 mM	0.1757 mL	0.8785 mL	1.757 mL
50 mM	0.0351 mL	0.1757 mL	0.3514 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

Shan G, et al. Se Pu. 2014 Nov;32(11):1275-9. Chinese.

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