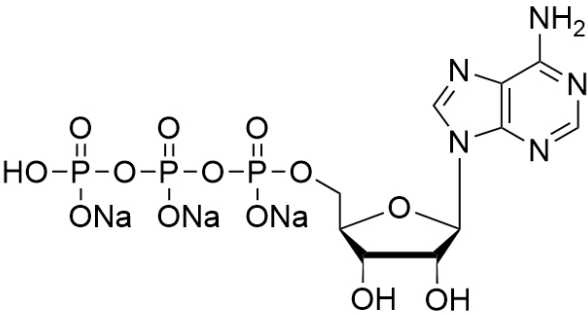


## Product Description

Adenosine triphosphate (ATP) is composed of adenine, ribose, and a triphosphate group, serving as the most direct energy in living organisms. Its high-energy phosphate bonds can be hydrolyzed to supply energy for life activities, and it also serves as an essential raw material for RNA synthesis by providing adenosine units. It is primarily used for in vitro transcription of mRNA, molecular biology research, and the preparation of related diagnostic reagents. This product is a water solution prepared from ATP-3Na, free from DNase, RNase, and phosphatase. This product is manufactured in accordance with GMP requirements.

## Product Information

Molecular Weight	573.13
CAS	56-65-5(free acid)
Molecular Formula	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> Na <sub>3</sub> O <sub>13</sub> P <sub>3</sub>
Concentration	100 mM±3 mM
Purity	≥99% (by HPLC)
λ <sub>max</sub>	260 nm±2 nm
Absorbance	A <sub>250</sub> /A <sub>260</sub> : 0.75-0.81 A <sub>280</sub> /A <sub>260</sub> : 0.13-0.18
Structural Formula	

## Storage

Store at -20±5°C.

## Notes

1. Vortex before use. Avoid freeze-thaw cycles.
2. For your safety and health, please wear personal protective equipment, such as lab coats and disposgloves, when using this product.