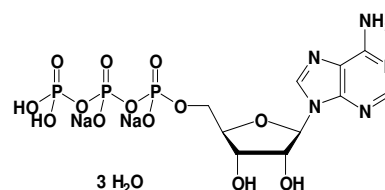


DATA SHEET

Adenosine 5'-Triphosphate, ATP

Product: Adenosine 5'-Triphosphate, Disodium Salt
 CAS Number: 987-65-5
 Structural formula:



Ordering Information

| Cat.-No. | Amount |
|--------------|--------|
| NU-1010-10G | 10 g |
| NU-1010-100G | 100 g |

Physical Constants

| | |
|-------------------------------|---|
| Formula | $C_{10}H_{14}N_5Na_2O_{13}P_3 \times 3H_2O$ |
| Molecular Weight | 605.18 g/mol |
| Absorbance | |
| absorbance max: | 259 nm (pH 7) |
| ϵ at absorbance max: | $15.1 \text{ mmol}^{-1} \text{ cm}^{-1}$ |

Quality Control Assays

| Physical Assays | Specification |
|--|---|
| Appearance | white powder |
| Purity by HPLC | $\geq 98\%$ |
| Functional Assays | Specification |
| in vitro transcription (T7 RNA polymerase) | visible RNA fragment after 5 min incubation |
| DNases, RNases, Nicking Activity | not detectable |
| Proteases | not detectable |