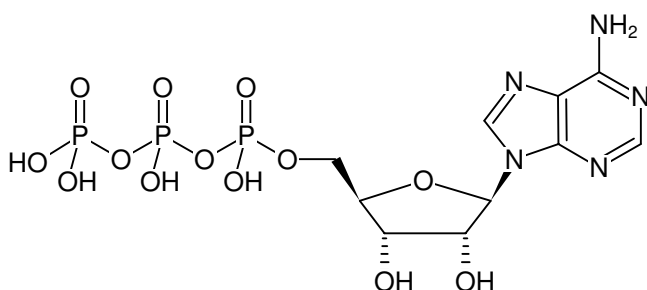


**ATP - Solid**

Adenosine-5'-triphosphate, Sodium salt

Cat. No.	Amount
ATP_1000G	1.000 g



Structural formula of ATP - Solid

For in vitro use only!**Shipping:** shipped on blue ice**Storage Conditions:** store at -20 °C**Additional Storage Conditions:** Short term exposure (up to 1 week cumulative) to ambient temperature possible.**Shelf Life:** 12 months**Molecular Formula:** C₁₀H₁₆N₅O₁₃P₃ (free acid)**Molecular Weight:** 507.18 g/mol (free acid)**CAS#:** 51963-61-2**Purity:** ≥ 98 % (HPLC)**Form:** lyophilised**Spectroscopic Properties:** λ_{max} 259 nm, ε 15.1 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.0)**Applications:**ATP-sensitive calcium channels^[1]V-ATPases (cellular proton pumps)^[2]ATP-coupled chromatin remodelling^[3]ATP-binding cassette transporters^[4]ATP-grasp enzymes^[5]

Agonistic ligand, mainly for nucleoside receptor A₁
 Nucleoside-triphosphates can be converted by different membrane-bound phosphatases into nucleosides acting as nucleoside receptor ligands.

Specific Ligands:

Ligand for purinergic receptors:

P2X₁-P2X₃^[6,7]P2X_{1/4}^[8]P2X₄^[7]P2X₇^[9,10,11]P2X₁ - P2X₇^[12]P2Y₁^[10,14]P2Y₂^[13,14]P2Y₁₁^[14]

Quality Control Specifications: in vitro transcription (T7 RNA polymerase): visible RNA fragments after 5 min incubation, DNases, RNases, Nicking Activity: not detectable, Proteases: not detectable

Selected References:

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