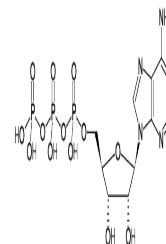


Product Datasheet

ATP - Solution (orb64059)

Description	Ultrapure ATP supplied as clear aqueous solution.
Form/Appearance	clear aqueous solution; pH: 8.0 ± 0.2 (22 °C)
Concentration	100 mM ± 2%
Storage	store at -20 °C
Note	For research use only
Application notes	ATP-sensitive calcium channels; V-ATPases (cellular proton pumps); ATP-coupled chromatin remodelling; ATP-binding cassette transporters; ATP-grasp enzymes; Agonistic ligand, mainly for nucleoside receptor A1 Nucleoside-triphosphates can be converted by different membrane-bound phosphatases into nucleosides acting as nucleoside receptor ligands. Spectroscopic Properties: λ_{max} 259 nm, ε 15.1 L mmol⁻¹ cm⁻¹ (Tris-HCl, pH 7.0). Specific Ligands: Ligand for purinergic receptors: P2X1-P2X 3, P2X1/4, P2X4, P2X7, P2X1-P2X 7, P2Y1, P2Y2, P2Y11.
Formula	C ₁₀ H ₁₆ N ₅ O ₁₃ P ₃
Purity	≥ 99% (HPLC)
MW	Theoretical MW: 507.18 g/mol (free acid)
CAS Number	987-65-5
SMILES	<chem>O[C@H]1[C@H](n2cnc3c(N)ncnc23)O[C@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@H]1O</chem>
Expiration Date	12 months from date of receipt.



Structural formula of ATP - Solid