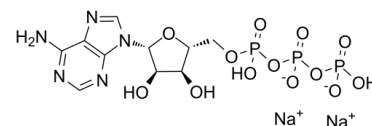


Data Sheet

| | |
|---------------------------|---|
| Product Name: | ATP (disodium salt) |
| Cat. No.: | CS-2387 |
| CAS No.: | 987-65-5 |
| Molecular Formula: | C ₁₀ H ₁₄ N ₅ Na ₂ O ₁₃ P ₃ |
| Molecular Weight: | 551.14 |
| Target: | P2X Receptor |
| Pathway: | Membrane Transporter/Ion Channel |
| Solubility: | H ₂ O : ≥ 36 mg/mL (65.32 mM) |



BIOLOGICAL ACTIVITY:

ATP disodium salt is a phosphate-group donor for substrate activation in metabolic reactions and the coenzyme for a large number of kinases.

References:

- [1]. Gordon, J.L., Extracellular ATP: effects, sources and fate. *Biochem J*, 1986. 233(2): p. 309-19.
- [2]. Guibert, C., et al., Dependence of P2-nucleotide receptor agonist-mediated endothelium-independent relaxation on ectonucleotidase activity and A2A-receptors in rat portal vein. *Br J Pharmacol*, 1998. 123(8): p. 1732-40.
- [3]. Burnstock, G., Historical review: ATP as a neurotransmitter. *Trends Pharmacol Sci*, 2006. 27(3): p. 166-76.

CAIndexNames:

Adenosine 5'-(tetrahydrogen triphosphate), sodium salt (1:2)

SMILES:

O[C@@H]1([C@H]2([C@H](N1C=NC2=C1N=CN)O3)O)[C@H]3COP(=O)(OP(=O)([O-])=O)([O-])=O.[Na+].[Na+]

Caution: Product has not been fully validated for medical applications. For research use only.

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