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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



2-Aminopurine riboside-5'-O-triphosphate (sodium salt)

Item No. 38435

Formal Name: ((2R,3S,4R,5R)-5-(2-amino-9H-purin-9-yl)-3,4-dihydroxytetrahydrofuran-2-yl) methyl triphosphate, tetrasodium salt
Synonyms: 2-AP-TP, 2-AP riboside-5'-O-triphosphate, n²h⁶ATP

MF: C₁₀H₁₂N₅O₁₃P₃ • 4Na

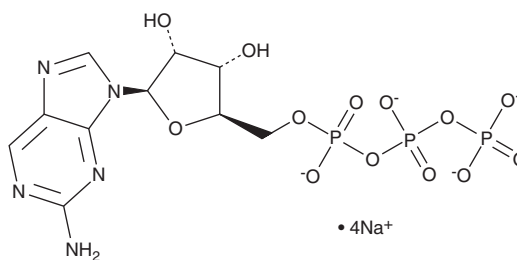
FW: 595.1

Purity: ≥95%

Supplied as: A solution in water

Storage: -80°C

Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

2-Aminopurine riboside-5'-O-triphosphate is an isomer of the essential energy substrate for cellular metabolism ATP (Item No. 14498).¹ It can serve as a phosphate donor for ATP-requiring enzymes, such as human T4 polynucleotide kinase, yeast hexokinase, and rabbit myosin kinase. 2-Aminopurine riboside-5'-O-triphosphate inhibits adenylate cyclase (AC) from *A. nicotianae* ($K_i = 1.7$ mM).²

References

1. Kinoshita, Y. and Nishigaki, K. Unexpectedly general replaceability of ATP in ATP-requiring enzymes. *J. Biochem.* **122**(1), 205-211 (1997).
2. Özer, I. and Scheit, K.H. Steady-state kinetic studies on adenylate cyclase from *Brevibacterium liquefaciens*. *Eur. J. Biochem.* **85**(1), 173-180 (1978).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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