

2', 3'- Dideoxyadenosine- 5'- O- triphosphate (ddATP) Biochemical

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CATALOG #
AAA52679

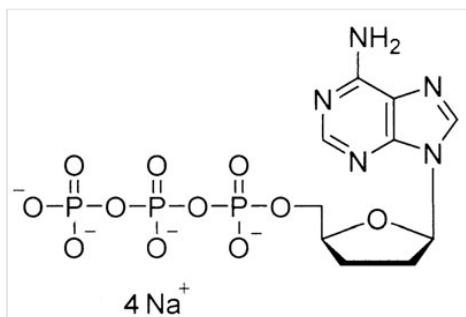
PRODUCT SYNONYMS

2'; 3'- Dideoxyadenosine- 5'- O- triphosphate (ddATP); 3'- Dideoxyadenosine- 5'- O- triphosphate (ddATP) biochemical

PRODUCT SPECIFICATIONS

Specificity	10 mM aqueous solution of the sodium salt. Other salt forms of ddATP are available upon request Micromolar quantities are determined by UV at λ_{max} . When opening the tube please make sure that no liquid is lost within the cap A short spindown in a bench centrifuge is recommended before use.
Purity/Purification	> 95%
Unit Equivalent	5 umol is approximately equals to 2.4 mg
CAS No.	132619-65-9
Formula	$\text{C}_{10}\text{H}_{16}\text{N}_5\text{O}_{11}\text{P}_3$
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Purification	Typical analysis is better than 95% (HPLC / UV / 259 nm) at time of quality control and packing. However, actual purity depends on storage and transport conditions. The product IS not sterile and has not been tested for endotoxins.
Toxicity and Safety	Since adenosine triphosphate has multiple tasks in every organism, it is very likely that ATP analogues will interfere with many cell regulation processes in vivo. However, due to the rather small quantities to work with, no health hazards have been reported. Nevertheless please keep in mind, that the in vivo properties of this compound are not sufficiently characterized up to now. Avoid skin contact or ingestion and allow only trained personnel to handle the product. Our products are designed, developed and sold for research purposes only! They are intended for in vitro and nonhuman in vivo laboratory applications. Any other use requires approval of health authorities. Not for drug, household or related uses!
Preparation and Storage	ddATP is relatively stable when stored as aqueous solution in the freezer (- 20° celsius necessary, - 80 degree C recommended), however, at ambient temperature the compound slowly starts to decompose. Thus, in order to maintain its original high quality, it is recommended to allow thawing only before using the product. If you will not use up the vial with one application, please aliquot the contents of the vial in order to avoid repeated freeze/thawing cycles for the rest When making such aliquots be sure to operate quickly and to freeze the vial again as soon as possible. Please ask for an offer to already pack these aliquots as you will need them.

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for 2', 3'-Dideoxyadenosine- 5'- O- triphosphate (ddATP) biochemical	C₁₀H₁₆N₅O₁₁P₃; MW 475.2 (free acid); lambda_{max} 259 nm; epsilon 15000; sodium salt, purity > 95% HPLC. For other salt forms or a guaranteed higher purity please inquire. Inhibits DNA polymerase I- dependent chain elongation. Detailed technical information available. Reference: Sanger et al., <i>Proc. Natl. Acad. Sci. USA</i>, 74, 5463 - 5467 (1977). Vial containing 500 ul of 10 mM aqueous solution of pH 7.6 ddATP is an analogue of adenosine triphosphate (ATP) where both ribose hydroxy groups have been removed and replaced by hydrogen.
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NCBI AND UNIPROT INFORMATION

Molecular Weight	475.2
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/2-3-dideoxyadenosine-5-o-triphosphate-ddatp/52679>