

Adenosine- 5'- O- diphosphoribose phosphate (ADPRP) Biochemical

Adenosine-5'-O-diphosphoribose phosphate/ syn.:2'-monophosphoadenosine-5'-diphosphoribose, adenosine-2'-monophospho-5'-diphosphoribose, ADP-ribose-2?-phosphate

CATALOG #
AAA52682

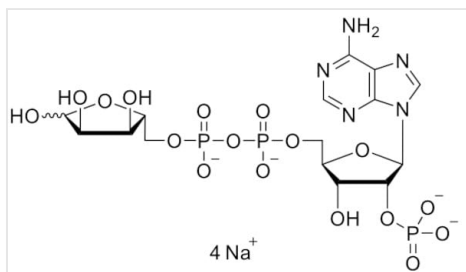
PRODUCT SYNONYMS

Adenosine- 5'- O- diphosphoribose phosphate (ADPRP); Adenosine-5'-O-diphosphoribose phosphate/ syn.:2'-monophosphoadenosine-5'-diphosphoribose; adenosine-2'-monophospho-5'-diphosphoribose; ADP-ribose-2?-phosphate; Adenosine- 5'- O- diphosphoribose phosphate (ADPRP) biochemical

PRODUCT SPECIFICATIONS

Specificity	Lyophilized or crystallized sodium salt. Other salt forms are available upon request. Equal concentrations of ADPRP can appear very different in volume due to sensitivity of the lyophilized form to humidity. The compound can even contract to small volume droplets. Normally the product is located in the conical bottom of the tube. Micromolar quantities are determined by UV at $\lambda_{\max}$
Purity/Purification	Typical analysis is better than 95% (HPLC / UV/ 259nm). The product is not sterile and has not been tested for endotoxins.
CAS No.	53595-18-9
UV	$\lambda_{\max}$ 259nm/ α 15000/ pH7
Properties	ADPRP is a potential metabolite of NADP ⁺ and ?-NAADP
Formula	C ₁₅ H ₂₄ N ₅ O ₁₇ P ₃ (Free Acid)
Solubility	ADPRP is soluble to at least 7mM in water. Please rinse tube walls carefully and preferably use ultra sonic or vortex to achieve total and uniform mixing. When opening the tube please make sure that no substance is lost within the cap.
Note	The in vivo properties of this compound are not sufficiently characterized up to now, allow only trained personnel to handle the product. They are intended for in vitro and nonhuman in vivo laboratory applications. Any other use requires approval of health authorities.
Preparation and Storage	ADPRP is chemically relatively stable. Nevertheless, we recommend that the compound should be stored in the freezer (-20°C necessary, -80°C recommended), for longer storage periods preferably in freeze-dried form.

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for Adenosine- 5'- O- diphosphoribose phosphate (ADPRP) biochemical	ADPRP is an analogue of adenosine-5'-O-diphosphoribose (ADP-ribose or ADPR) in which the ribose 2'-hydroxy group is phosphorylated.
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NCBI AND UNIPROT INFORMATION

Molecular Weight	639.3 (Free Acid)
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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/adenosine-5-o-diphosphoribose-phosphate-adprp/52682>