

N6- Furfuryladenosine- 5'- O- triphosphate (6-Fu-ATP) Small Molecule

N6- Furfuryladenosine- 5'- O- triphosphate (6-Fu-ATP), sodium salt

CATALOG #
AAA52677

PRODUCT SYNONYMS

N6- Furfuryladenosine- 5'- O- triphosphate (6-Fu-ATP); sodium salt; N6- Furfuryladenosine- 5'- O- triphosphate (6-Fu-ATP) small molecule

PRODUCT SPECIFICATIONS

Purity/Purification	Purification: HPLC Purity: 6-Fu-ATP; Content (area%): 99.66
CAS No.	1450894-16-2
Salt	Tetrasodium
Specifications	10mM aqueous solution
Structural Identification by	ESI-MS UV/VIS
UV	Lambda _{max} 267nm/Epsilon 20500/pH7
Formula	C15H20N5O14P3
Conditions	ODS-A 120-11, Rp-18; 250x 4 mm; 22 % acetonitrile, 4 mM TBA-hydrogen sulfate buffer, 25mM sodium dihydrogen phosphate buffer, pH 6.8; 1.0mL/min; UV 267 nm.
Qualification by	UV/VIS
Specification	Solution
Remarks	Meets our specifications.
Properties	6-Po-Af P-may be useful for specific interaction with- modified receptor proteins (chemic-al genetics-).-The corresponding diphosphate 6-Fu-ADP and 6-Fu-ATP-y-S are also offered.
Specification	Sodium salt in aqueous solution (10 mM). The free acid or other salt forms are available upon request. Micromolar quantities are determined by UV at Lambda _{max} . When opening the tube please make sure that no liquid is lost within the cap. A short spin-down in a bench centrifuge is recommended before use.
Purity	Typical analysis is better than 95% (HPLC / UV /267 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.
Stability and Storage	6-Fu-ATP is most stable when stored as aqueous solution in the freezer (-200 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/thaw cycles for the rest. When making such aliquots be sure to operate quickly and to freeze the vial again as soon as possible.
Toxicity and Safety	Since nucleoside triphosphates have multiple tasks in every organism it is likely very 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.
Preparation and Storage	At -70 degrees C

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for N6-Furfuryladenine- 5'- O- triphosphate (6-Fu-ATP) small molecule

Description: 6-Fu-ATP is an analogue of adenosine-5'-O-triphosphate (ATP) in which one hydrogen of the 6-amino group has been substituted by a furfuryl moiety.

NCBI AND UNIPROT INFORMATION

Molecular Weight	587.3 for free acid
------------------	---------------------

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/small-molecule/n6-furfuryladenine-5-o-triphosphate-6-fu-atp/52677>