

P1, P4- Di- (uridine- 5')- tetraphosphate (Up4U / UppppU) Biochemical

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CATALOG #
AAA52694

PRODUCT SYNONYMS

P1; P4- Di- (uridine- 5')- tetraphosphate (Up4U / UppppU); P4- Di- (uridine- 5')- tetraphosphate (Up4U / UppppU) biochemical

PRODUCT SPECIFICATIONS

Specificity	Lyophilized or crystallized sodium salt. The free acid or other salt forms are available upon request. Equal concentrations of Up4U 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 λ_{max}
Purity/Purification	Typical analysis is better than 95% (HPLC / UV / 262 nm). The product is not sterile and has not been tested for endotoxins
CAS No.	59985-21-6
Formula	$C_{18}H_{26}N_4O_{23}P_4$
Properties	Up4U is a symmetrical dinucleoside polyphosphate with pyrimidine nucleobases, which activates purinergic receptors.
Solubility	Up4U has good solubility in water and aqueous buffers (? 36 mM, limits have not been determined). Please rinse tube walls carefully and preferably use ultrasonic or vortex to achieve total and uniform mixing. When opening the tube please make sure that no substance is lost within the cap
Preparation and Storage	Up4U has sufficient stability at room temperature and does not need special care during handling or shipment. Nevertheless, we recommend that the compound should be stored in the freezer, for longer storage periods preferably in freeze-dried form.

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for P1, P4- Di- (uridine- 5')- tetraphosphate (Up4U / UppppU) biochemical

Description: In Up4U two uridine moieties are linked via their 5' positions by four phosphate groups.

NCBI AND UNIPROT INFORMATION

Molecular Weight	790.3 (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/p1-p4-di-uridine-5-tetraphosphate-up4u-uppppu/52694>