

P1, P2- Di- (cytidine- 5')- diphosphate (Cp2C / CppC) Biochemical

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CATALOG #
AAA52680

PRODUCT SYNONYMS

P1; P2- Di- (cytidine- 5')- diphosphate (Cp2C / CppC); P2- Di- (cytidine- 5')- diphosphate (Cp2C / CppC) biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	Typical analysis is better than 95% (HPLC/UV/270nm). The product is not sterile and has not been tested for endotoxins.
Unit Equivalent	0.5 umol is approximately equals to 0.3 mg
CAS No.	29789-88-6
Properties	Cp2C is a symmetrical dinucleoside polyphosphate containing two pyrimidine nucleobase moieties.
Specification	Lyophilized or crystallized sodium salt. The free acid or other salt forms are available upon request. Equal concentrations of Cp2C 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.
Formula	C18H26N6O15P2
Solubility	Cp2C has good solubility in water and aqueous buffers (> 6 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.
Toxicity and Safety	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	Cp2C 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. Short-term: 4 degree C Long-term: -20 degree C

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for P1, P2-Di- (cytidine- 5')- diphosphate (Cp2C / CppC) biochemical	In Cp2C two cytidine moieties are linked via their 5' positions by two phosphate groups.
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NCBI AND UNIPROT INFORMATION

Molecular Weight	628.4
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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-p2-di-cytidine-5-diphosphate-cp2c-cppc/52680>