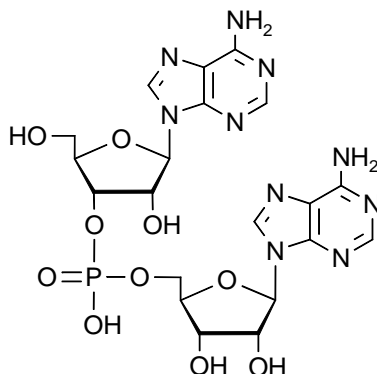


## Technical Information about Adenylyl- (3' → 5')- adenosine ( ApA )

Update: January 12, 2009 AI



**Abbreviation:**

**ApA**

Formula	CAS No.	Molecular Weight	UV	BIOLOG Cat.No.
C <sub>20</sub> H <sub>25</sub> N <sub>10</sub> O <sub>10</sub> P for free acid	[2391-46-0]	596.5 for free acid	λ <sub>max</sub> 259 nm / ε 27300 / pH 7	A 083

**Name:** Adenylyl- (3' → 5')- adenosine

**Description:** ApA is a dinucleoside monophosphate in which the 3'- hydroxy group of one adenosine moiety is connected to the 5'-hydroxy group of the other adenosine moiety by a phosphodiester bond.

**Specification:** Lyophilized or crystallized sodium salt. Please keep in mind that equal amounts of the compound may look different in volume. 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 weight.

**Purity:** Typical analysis is better than 95% (HPLC / UV / 259 nm). The product is not sterile and has not been tested for endotoxins.

**Solubility:** ApA has excellent solubility in water and aqueous buffers and any reasonable concentration of interest can be achieved. 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.

**Stability and Storage:** ApA 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.

**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!**