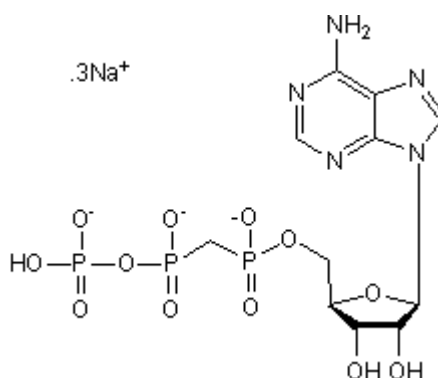


**Product Name:**  $\alpha,\beta$ -Methyleneadenosine 5'-triphosphate trisodium salt    **Catalog No.:** 3209    **Batch No.:** 5  
**CAS Number:** 1343364-54-4    **EC Number:** 230-723-9  
**IUPAC Name:**  $\alpha,\beta$ -Methyleneadenosine 5'-triphosphate trisodium salt

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:**  $C_{11}H_{15}N_5Na_3O_{12}P_3$   
**Batch Molecular Weight:** 571.15  
**Physical Appearance:** White solid  
**Solubility:** water to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.7% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

**Product Name:**  $\alpha,\beta$ -Methyleneadenosine 5'-triphosphate trisodium salt    **Catalog No.:** 3209    **Batch No.:** 5  
**CAS Number:** 1343364-54-4    **EC Number:** 230-723-9  
**IUPAC Name:**  $\alpha,\beta$ -Methyleneadenosine 5'-triphosphate trisodium salt

**Description:**

P2-purinoceptor agonist. Also shown to inhibit adenylate cyclase ( $K_i = 0.5$  mM).

**Physical and Chemical Properties:**

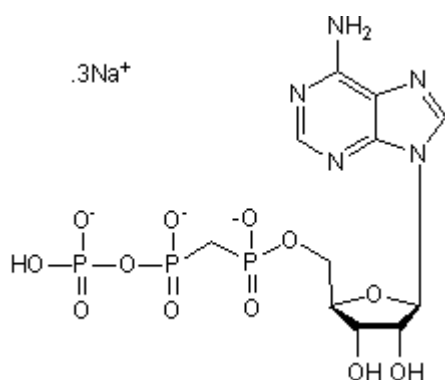
Batch Molecular Formula:  $C_{11}H_{15}N_5Na_3O_{12}P_3$

Batch Molecular Weight: 571.15

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

water to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**Krug et al** (1973)  $\alpha,\beta$ -Methylene-adenosine 5'-triphosphate. *J.Biol.Chem.* **248** 1203. PMID: 4686923.

**Burnstock and Kennedy** (1985) Is there a basis for distinguishing two types of P2-purinoceptor? *Gen.Pharmacol* **16** 433. PMID: 2996968.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Tocris Bioscience is an R&D Systems company

USA & CANADA Tel: (800) 343-7475    EUROPE Tel: +44 (0)1235 529449    CHINA Tel: +86 (21) 52380373

[www.RnDSYSTEMS.com](http://www.RnDSYSTEMS.com)