

## 2'(3')-O-Anthraniloyladenosine-5'-O-triphosphate sodium

## Chemical Properties

CAS No. :

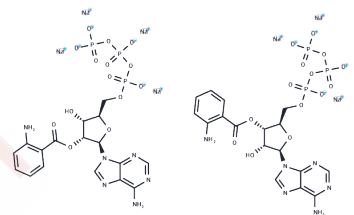
Formula: C17H17N6O14P3.4Na

Molecular Weight: 714.23

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	2'(3')-O-Anthraniloyladenosine-5'-O-triphosphate (2'-ANT-ATP) and its isomer 3'-ANT-ATP are fluorescent derivatives of ATP that spontaneously isomerize. Emitting a maximum light of 428 nm when excited at 330 nm in water, 2'(3')-ANT-ATP specifically inhibits several types of adenylyl cyclase (AC) including mammalian AC1, AC2, and AC5 with inhibition constants (Kis) of 130, 640, and 120 nM, respectively. It also inhibits Bordetella pertussis AC toxin CyaA with Kis of 1.3 μM (in the presence of manganese) and 20 μM (in the presence of magnesium), Bacillus anthracis AC toxin edema factor with Kis of 0.44 μM (with manganese) and 5.15 μM (with magnesium), and Escherichia coli recombinase A (RecA) with a Ki of 6.3 μM.
Targets(IC50)	Others

## Solubility Information

Solubility	H2O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4001 mL	7.0005 mL	14.0011 mL
5 mM	0.280 mL	1.4001 mL	2.8002 mL
10 mM	0.140 mL	0.7001 mL	1.4001 mL
50 mM	0.028 mL	0.140 mL	0.280 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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