

2'-Deoxy-1,N6-ethenoadenosine-5'-O-triphosphate sodium

Chemical Properties

CAS No. :

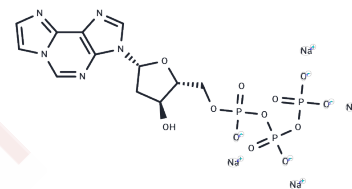
Formula: C₁₂H₁₂N₅O₁₂P₃.4Na

Molecular Weight: 603.13

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'-Deoxy-1,N6-ethenoadenosine-5'-O-triphosphate (ε-dATP), a fluorescent derivative of 2'-deoxyadenosine-5'-O-triphosphate (dATP), promotes sister chromatid exchange in stimulated primary mouse spleen T- and B lymphocytes with LPS or concanavalin A at concentrations of 50 to 150 μM. Utilized in ambiguous base pairing investigations within vinyl chloride-induced mutagenesis research, ε-dATP, along with its related compound ε-ATP—which exhibits an emission peak at 415 nm after being excited at 300 nm—contributes to understanding genetic alterations mechanisms.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.658 mL	8.2901 mL	16.5802 mL
5 mM	0.3316 mL	1.658 mL	3.316 mL
10 mM	0.1658 mL	0.829 mL	1.658 mL
50 mM	0.0332 mL	0.1658 mL	0.3316 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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