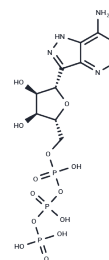


## Formycin triphosphate

## Chemical Properties

CAS No. :	16409-13-5
Formula:	C <sub>10</sub> H <sub>16</sub> N <sub>5</sub> O <sub>13</sub> P <sub>3</sub>
Molecular Weight:	507.18
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	Formycin triphosphate is a fluorescent analog of ATP, exhibiting enhanced fluorescence when binding to enzyme active sites. It acts as a competitive inhibitor of avian liver pyruvate carboxylase (pyruvate carboxylase). Additionally, formycin triphosphate increases atrial natriuretic factor (ANF)-stimulated guanylate cyclase activity with an EC <sub>50</sub> of approximately 90 μM and inhibits ATP-stimulated guanylate cyclase activity with an IC <sub>50</sub> of around 100 μM.
Targets(IC <sub>50</sub> )	Guanylate cyclase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9717 mL	9.8584 mL	19.7169 mL
5 mM	0.3943 mL	1.9717 mL	3.9434 mL
10 mM	0.1972 mL	0.9858 mL	1.9717 mL
50 mM	0.0394 mL	0.1972 mL	0.3943 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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