Data Sheet (Cat.No.T40522)



3'-Deoxy-3'-amino-ATP

Chemical Properties

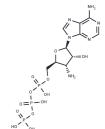
CAS No.: 4209-30-7

Formula: C10H17N6O12P3

Molecular Weight: 506.197

Appearance: no data available

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



Biological Description

Description	3'-Deoxy-3'-amino-ATP, an ATP analogue, is a highly effective and competitive inhibitor
	of ATP, exhibiting a K i value of 2.3 μ M. Its application includes the synthesis of 3'-
	Amino-3'-deoxy transfer RNA by integrating it into the 3' terminus of tRNA-C-C.
In vitro	3'-Deoxy-3'-amino-ATP can be used as a substrate to synthesis of 3'-Amino-3'-deoxy transfer RNA[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9755 mL	9.8775 mL	19.755 mL
5 mM	0.3951 mL	1.9755 mL	3.951 mL
10 mM	0.1976 mL	0.9878 mL	1.9755 mL
50 mM	0.0395 mL	0.1976 mL	0.3951 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.

Reference

Armstrong VW, et, al. Interaction of substrate analogues with Escherichia coli DNA-dependent RNA polymerase. Eur J Biochem. 1976 Nov 1;70(1):33-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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