

## 5-Aza-7-deazaguanine

## Chemical Properties

CAS No. : 67410-64-4

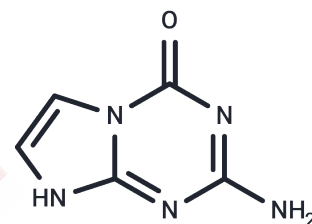
Formula: C<sub>5</sub>H<sub>5</sub>N<sub>5</sub>O

Molecular Weight: 151.13

Storage: Keep away from direct sunlight, Keep away from moisture, Store at low temperature

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	5-Aza-7-deazaguanine is a non-natural substituted nucleobase with potential antiviral activity. It can be used in cancer and bacterial infection research.
Targets(IC50)	Nucleoside Antimetabolite/Analog

## Solubility Information

Solubility	H <sub>2</sub> O: 5 mg/mL (33.08 mM), when pH is adjusted to 9 with NaOH. Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6168 mL	33.0841 mL	66.1682 mL
5 mM	1.3234 mL	6.6168 mL	13.2336 mL
10 mM	0.6617 mL	3.3084 mL	6.6168 mL
50 mM	0.1323 mL	0.6617 mL	1.3234 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.

## Reference

Fateev IV, et al. Recognition of Artificial Nucleobases by E. coli Purine Nucleoside Phosphorylase versus its Ser90Ala Mutant in the Synthesis of Base-Modified Nucleosides. Chemistry. 2015 Sep 14;21(38):13401-19.

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