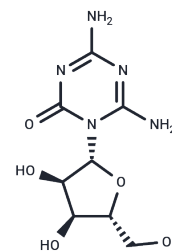


## 6-Amino-5-azacytidine

## Chemical Properties

CAS No. :	105331-00-8
Formula:	C <sub>8</sub> H <sub>13</sub> N <sub>5</sub> O <sub>5</sub>
Molecular Weight:	259.22
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	6-Amino-5-azacytidine has an inhibitory of the growth of E. coli.
Targets(IC50)	Antibacterial
In vitro	6-Amino-5-azacytidine exhibits an ID50 of 33.9 μM against CCRF-CEM cells and inhibits WI-L2 cell growth by 39% at 100 μM[1].

## Solubility Information

Solubility	H <sub>2</sub> O: 12 mg/mL (46.29 mM),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	3.8577 mL	19.2886 mL	38.5773 mL
5 mM	0.7715 mL	3.8577 mL	7.7155 mL
10 mM	0.3858 mL	1.9289 mL	3.8577 mL
50 mM	0.0772 mL	0.3858 mL	0.7715 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

Alois Pískala, et al. Synthesis, molecular conformation and biological activity of 6-amino-5-azacytidine. Collect. Czech. Chem. Commun. 1989, 54, 2502-2512.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481