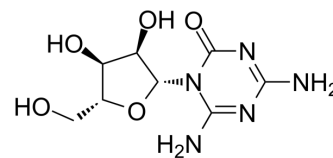


6-Amino-5-azacytidine

Cat. No.:	HY-111643		
CAS No.:	105331-00-8		
Molecular Formula:	C ₈ H ₁₃ N ₅ O ₅		
Molecular Weight:	259.22		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 14.71 mg/mL (56.75 mM; Need ultrasonic)			
		Solvent	Mass	
		Concentration	1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	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
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: PBS Solubility: 8.33 mg/mL (32.13 mM); Clear solution; Need ultrasonic and warming and heat to 60°C			

BIOLOGICAL ACTIVITY

Description	6-Amino-5-azacytidine inhibits the growth of bacteria <i>E. coli</i> ^[1] .
IC₅₀ & Target	Anti-bacteria (<i>E. coli</i>) ^[1]
In Vitro	6-Amino-5-azacytidine has an ID ₅₀ of 33.9 μM against CCRF-CEM cells and inhibits the growth of WI-L2 cells by 39% at 100 μM [1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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